

Available Mineral Properties in New Brunswick

Reference 130



Prepared by
Shasta A.A. Merlini

New Brunswick
Prospectors and Developers Association

**Natural Resources and Energy
Minerals and Energy**

Reference 130

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in New Brunswick**

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Prospectors and Developers Association**

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INTRODUCTION

This publication has been produced mainly from the information provided by prospectors and companies and is intended to provide a comprehensive list of available mineral properties in New Brunswick. The property maps (some prepared in part by the New Brunswick Department of Natural Resources and Energy) show the claim group(s) of interest with surrounding general geology and any nearby significant mineral occurrences¹ or mine sites. Some maps may not include the geology, mineral occurrences, and mine sites if time did not allow before publication. Although the author did not verify the data for each property in detail, appropriate Minerals and Energy staff and claim holders were consulted prior to making major changes. The New Brunswick Department of Natural Resources and Energy and the New Brunswick Prospectors and Developers Association do not necessarily endorse any of the properties described within more than any other mineral properties in the Province. Only those claimholders who were interested in promoting their properties have provided information. This edition of **"Available Mineral Properties in New Brunswick"** contains twenty-one new properties, and many of the previously included properties contain new information.

The properties have been organized according to the following general deposit types: Stratabound Massive Sulphide Deposits; Copper Skarn and Sedimentary Copper Deposits; Porphyry Copper, Molybdenum Deposits; Granite-related (Sn, W, In, Bi, rare earth element, or polymetallic) Deposits; Nickel-Cobalt-Copper, PGE, and Titanium Deposits; Epigenetic Gold and Antimony Deposits; Unconformity-type Cu Deposits; and Industrial Mineral Deposits.

Interested parties are encouraged to consult appropriate claim holders for further information. The involvement of the New Brunswick Department of Natural Resources and Energy is mainly to show that the Province is open for business!

INTRODUCTION

La présente publication a principalement été réalisée à partir de renseignements fournis par les prospecteurs et les sociétés; elle vise à fournir une liste détaillée des concessions minérales exploitables au Nouveau-Brunswick. Les cartes de concessions (dont certaines ont été préparées en partie par le ministère des Ressources naturelles et de l'Énergie du Nouveau-Brunswick) représentent le ou les groupes de claims présentant de l'intérêt, en même temps que la géologie générale des environs et les emplacements de mines ou les venues¹ minérales notables à proximité. Certaines cartes pourraient ne pas fournir de données sur la géologie, les venues minérales et les emplacements de mines si les délais ne l'ont pas permis avant la publication. Même si l'auteur n'a pas vérifié les données de chaque concession en détail, elle a consulté le personnel concerné des Ressources minières et de l'énergie et les titulaires de claims avant d'apporter des changements importants. Le ministère des Ressources naturelles et de l'Énergie du Nouveau-Brunswick et l'Association des prospecteurs et entrepreneurs du Nouveau-Brunswick n'appuient pas nécessairement plus la mise en valeur des concessions décrites à l'intérieur des présentes que celle de toute autre concession minérale à l'intérieur de la province. Seuls les titulaires de claims qui étaient intéressés à faire la promotion de leurs concessions ont fourni des renseignements. La présente édition de l'ouvrage **"Available Mineral Properties in New Brunswick"** contient 21 nouvelles concessions; un grand nombre des concessions auparavant répertoriées renferment par ailleurs de nouvelles données.

On a classé les concessions selon les types généraux de gîtes qui suivent : gîtes de sulfures massifs stratoïdes; gîtes de cuivre sédimentaires et de skarns cuprifères; gîtes de molybdène et de cuivre porphyrique; gîtes granitiques (Sn, W, In, Bi, éléments des terres rares ou gîtes polymétalliques); gîtes de

¹ Due to limited space, only the Unique Record Number (URN) for each mineral occurrence is included on the maps. A list of URNs and mineral occurrence names is included at the back of this report.

nickel-cobalt-cuivre, de platinoïdes et de titane; gîtes épigénétiques d'or et d'antimoine; gîtes de cuivre liés à une discordance et gîtes de minéraux industriels.

Les intéressés sont encouragés à consulter les titulaires de claims concernés pour obtenir de plus amples renseignements. La participation du ministère des Ressources naturelles et de l'Énergie du Nouveau-Brunswick se limite essentiellement à montrer que la province offre des possibilités aux intéressés!

ACKNOWLEDGEMENTS

This publication was prepared with the help of staff from the Bathurst, Sussex, and Fredericton offices of the Minerals and Energy Division including Steven McCutcheon, Jim Walker, Reginald Wilson, John Langton, Nicole Cormier, Sharon McKinnon, Malcolm McLeod, Susan Johnson, Rao Irrinki, Les Fyffe, Greg Crouse, Barbara Carroll, Clint St. Peter, Tim Webb, Donald Carroll, Carol McNeill-Dobbelsteyn, Sandra DeVenney, Barbra Harris, Linda DiPaolo, Rhonda Doiron, and Carol Grant-Curtis. Unless otherwise noted, the geology on the property maps was prepared from the 1:50 000 bedrock geocompilation maps for New Brunswick. Claim maps were extracted from the CARIS-based Claims Management System and imported in page-size windows into Corel Draw for this publication by Paul Rennick, Diane Richard, and Terry Leonard. The front cover was prepared by Terry Leonard and printed by Mayday Printing. Ron Shaw handled any questions on claims. Faith Storey coordinated the printing of the report by the Copy Centre.

Many thanks to the members of the New Brunswick Prospectors and Developers Association for their effort and cooperation on this project.

Lastly, and most importantly, a sincere thank you to all of the prospectors and companies who submitted their information to me. Without you, there would be no publication!

REMERCIEMENTS

La présente publication a été préparée avec l'aide du personnel des bureaux de la Division des ressources minières et de l'énergie de Bathurst, de Sussex et de Fredericton, notamment MM. et M^{mes} Steven McCutcheon, Jim Walker, Reginald Wilson, John Langton, Nicole Cormier, Sharon McKinnon, Malcolm McLeod, Susan Johnson, Rao Irrinki, Les Fyffe, Greg Crouse, Barbara Carroll, Clint St. Peter, Tim Webb, Donald Carroll, Carol McNeill-Dobbelsteyn, Sandra DeVenney, Barbra Harris, Linda DiPaolo, Rhonda Doiron, et Carol Grant-Curtis. À moins d'indication contraire, les données géologiques sur les cartes des concessions ont été préparées à partir des cartes de géocompilation du substrat rocheux à l'échelle de 1/50 000 du Nouveau-Brunswick. M. Paul Rennick, M^{me} Diane Richard, et M^{me} Terry Leonard ont extrait les cartes des concessions du Système de gestion des claims pour Caris et ils les ont importées en fenêtres de la grandeur d'une page dans Corel Draw aux fins de la présente publication. M^{me} Terry Leonard a préparé le plat recto et Mayday Printing a veillé à l'impression. M. Ron Shaw s'est chargé des questions au sujet des claims. M^{me} Faith Storey a coordonné l'impression du rapport par le centre de reprographie.

Maints remerciements aux membres de l'Association des prospecteurs et entrepreneurs du Nouveau-Brunswick pour leurs efforts et leur coopération vis-à-vis de ce projet.

Enfin, et surtout, je remercie sincèrement tous les prospecteurs et toutes les sociétés qui m'ont soumis leurs renseignements. Sans vous, il n'existerait pas de publication!

¹ Vu l'espace limité, seul le numéro d'enregistrement unique (NEU) de chaque venue minérale figure sur les cartes. Une liste des NEU et des noms des venues minérales est fournie au plat verso du présent rapport.

Figure 1. NTS Index

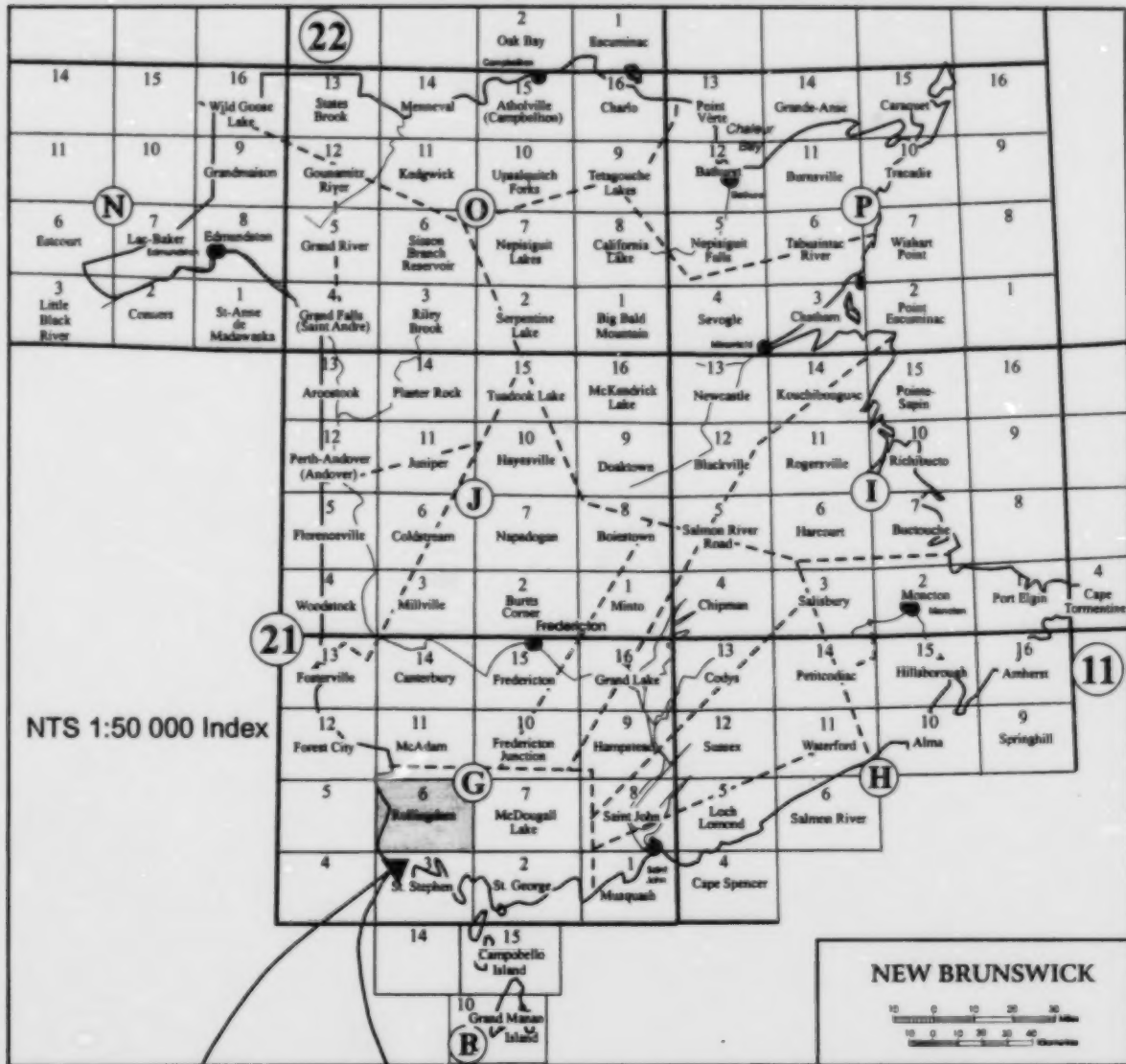
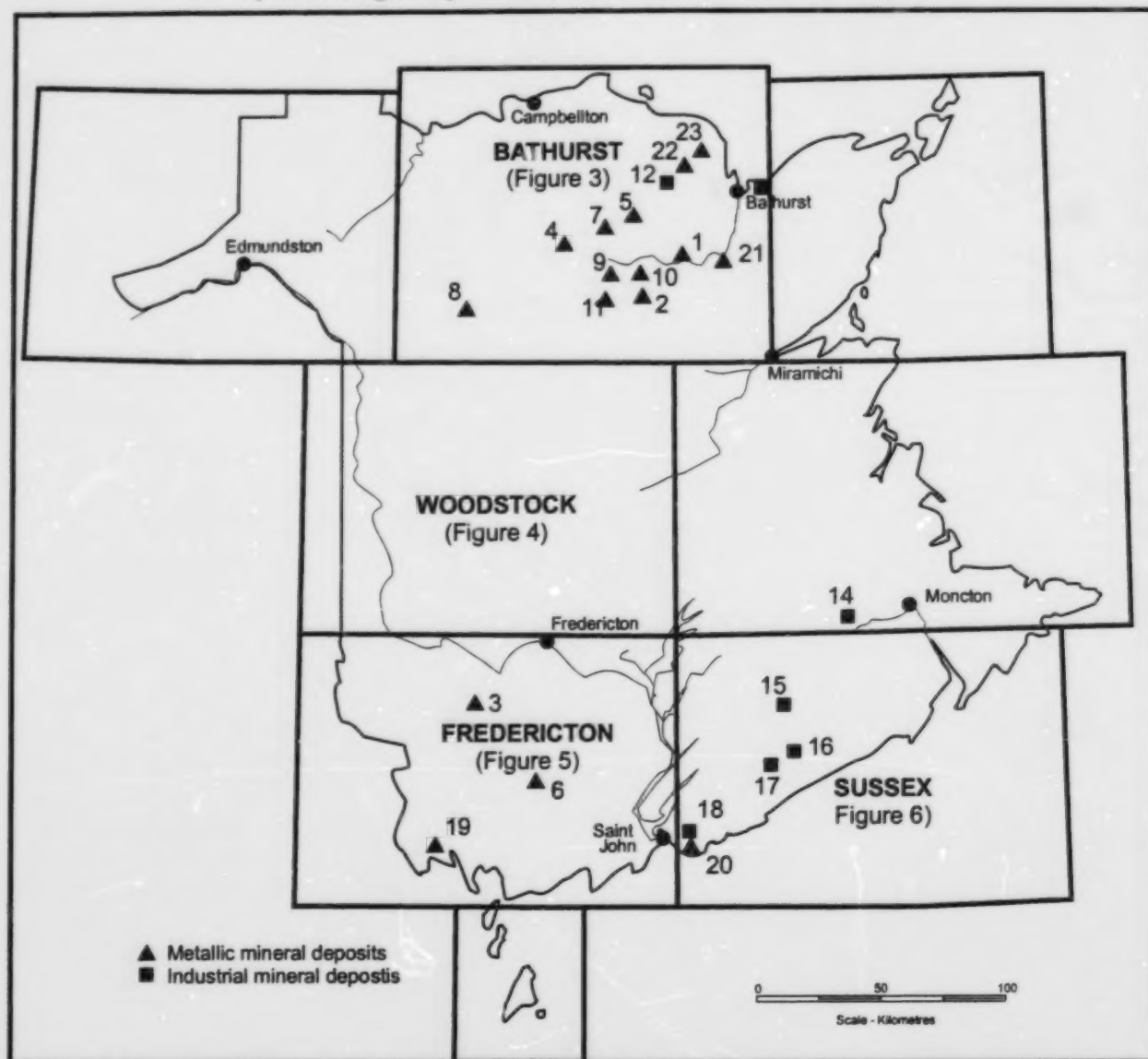


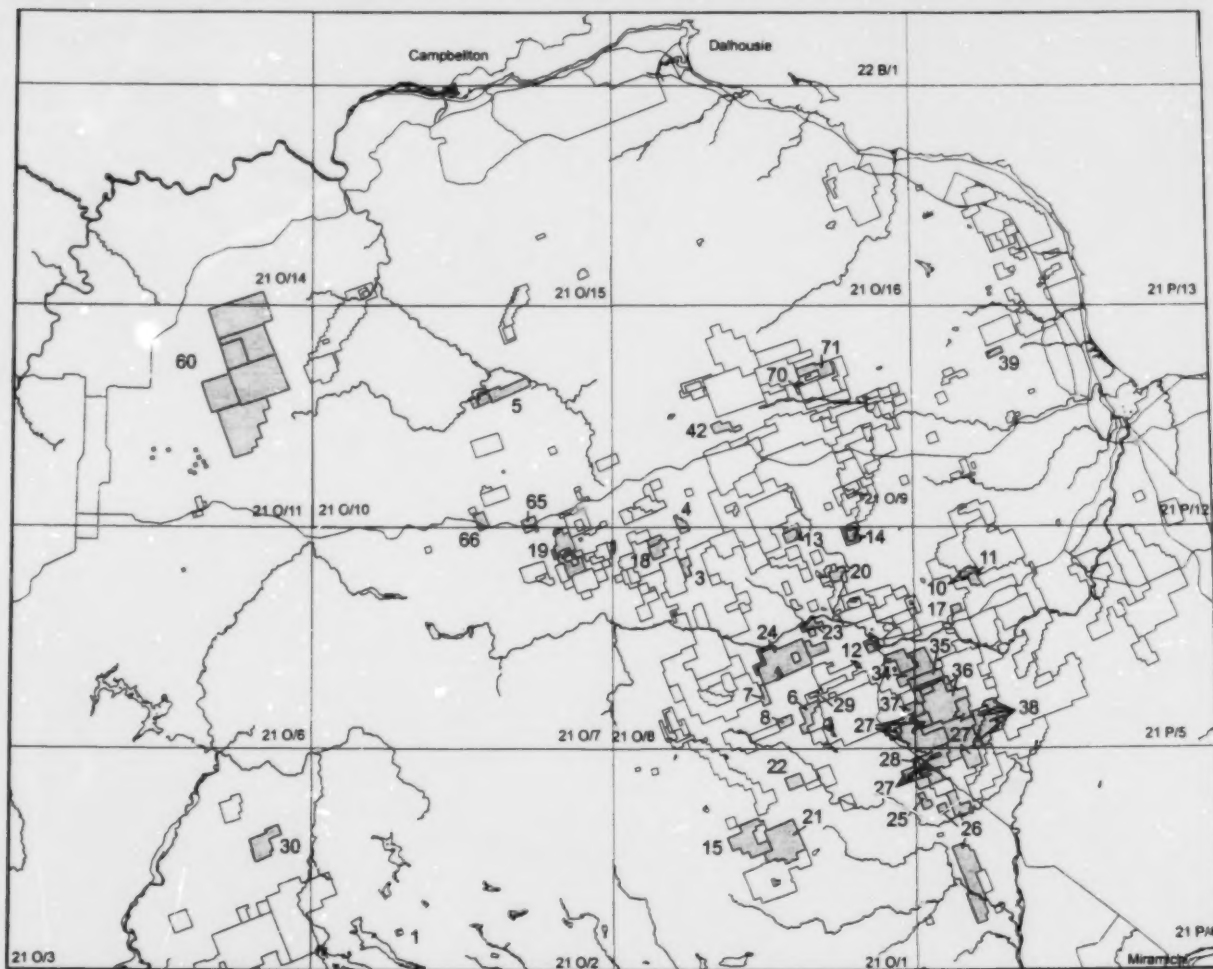
Figure 2. New Brunswick claim index maps
(showing major mineral deposits and mines)



1. Brunswick # 12
2. Heath Steele
3. Lake George
4. Restigouche
5. Caribou
6. Mount Pleasant
7. Murray Brook
8. Sewell Brook
9. Half Mile Lake
10. Stratmat
11. Chester
12. Elmtree Limestone

13. Bass River Silica
14. Havelock Lime
15. Plumweseep Potash
16. Sussex Silica
17. Cassidy Lake Potash
18. Brookville Limestone
19. St. Stephen Nickel
20. Cape Spencer Gold
21. Key Anacon
22. Nigadoo Mine
23. Keymet Mines

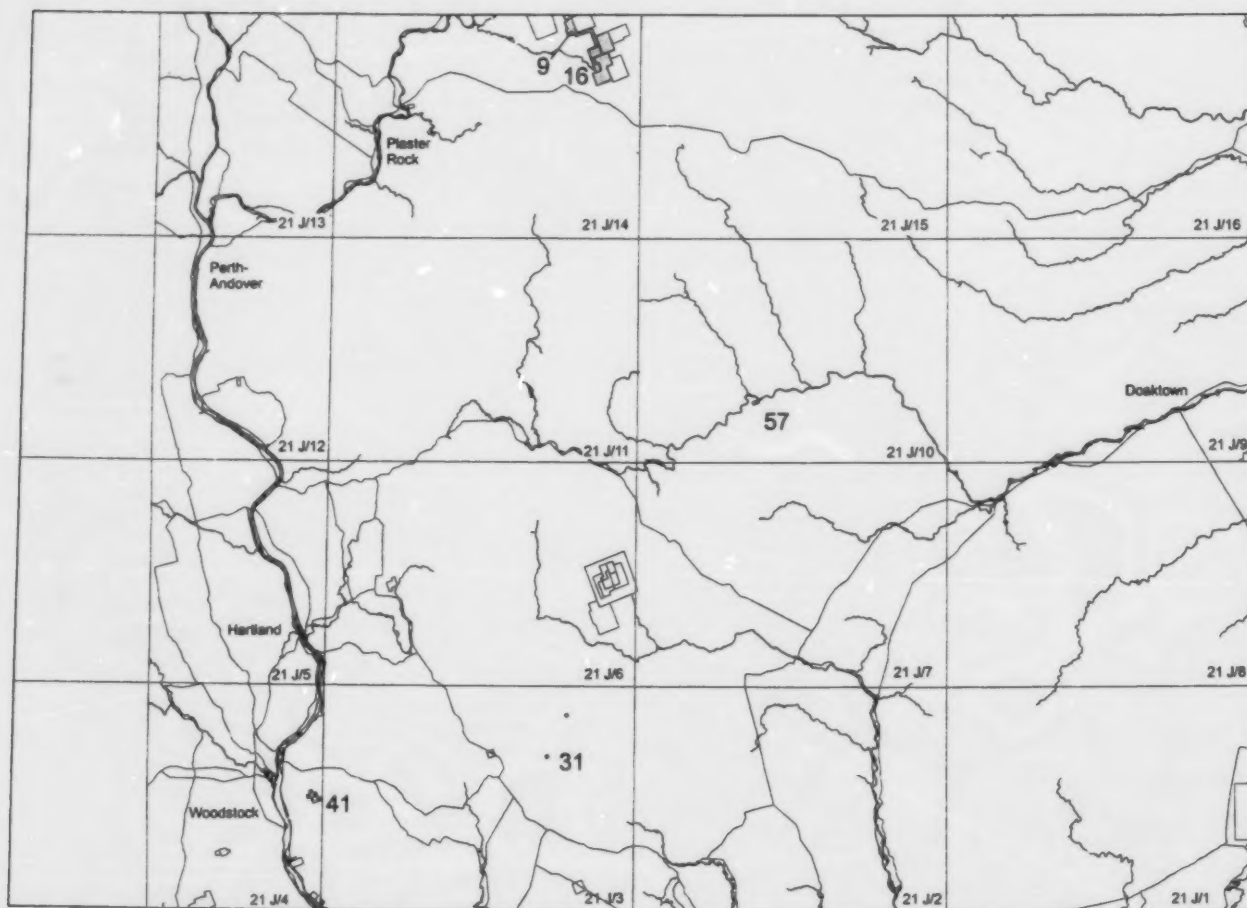
Figure 3. Available properties in Bathurst area (Parts of NTS 21 O, 21 P, 22 B)



Current to December 12, 2000

Property Number	Title Holder	Property Number	Title Holder
1.	Earnest A. Brooks	29.	Anthony Johnston
3.	Donald Black	30.	Miramichi Minerals Ltd.
4.	D. Black, C. Willett, T. Jamieson, P. Jamieson	34.	Stratabound Minerals Corp.
5.	Ken Whaley	35.	Stratabound Minerals Corp.
6.	Ken Whaley	36.	Stratabound Minerals Corp.
7.	Ken Whaley	37.	Stratabound Minerals Corp.
8.	Ken Whaley	38.	Stratabound Minerals Corp.
10.	Donald Graham	39.	Ralph V. Stewart
11.	I.A. Graham	42.	Log House Construction Ltd.
12.	Frank E. Ross, Robert Donovan	60.	Wayne Lockhart
13.	Forest Gate Resources Inc.	65.	Log House Construction Ltd.
14.	Forest Gate Resources Inc.	66.	Log House Construction Ltd.
15.	Slam Exploration Ltd.	70.	Joey Black
17.	Peter Jamieson	71.	Lorenzo Noel
18.	Northeast Exploration Services Ltd.		
19.	Northeast Exploration Services Ltd.		
20.	Northeast Exploration Services Ltd.		
21.	PGE Resource Corporation		
22.	Eastmain Resources		
23.	Eastmain Resources		
24.	Eastmain Resources		
25.	Eastmain Resources		
26.	Eastmain Resources		
27.	Eastmain Resources		
28.	Eastmain Resources		

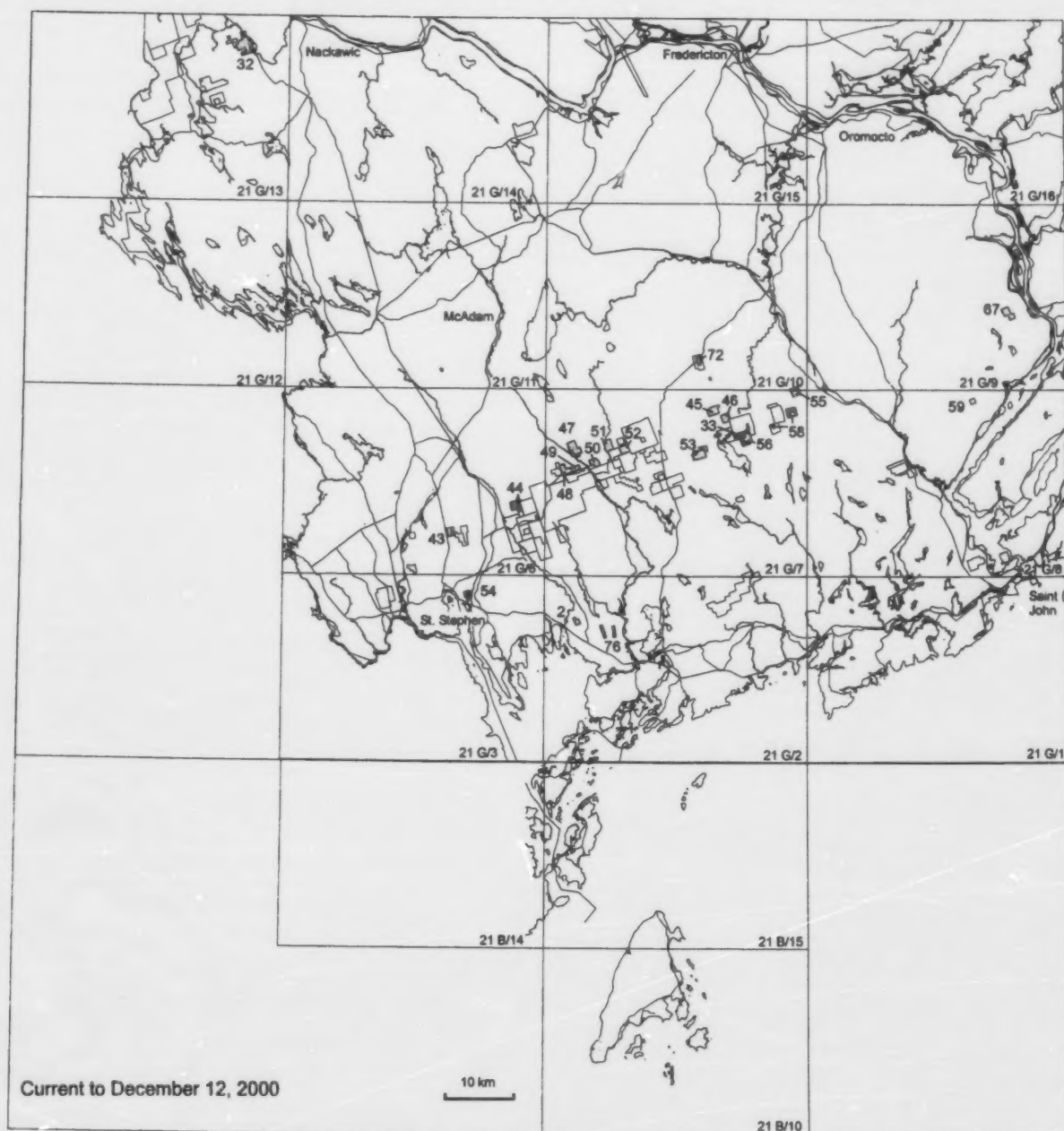
Figure 4. Available properties in Woodstock area (NTS 21 J)



Current to December 12, 2000

Property Number	Title Holder
9.	Tom Drivas
16.	Slam Exploration Ltd.
31.	Patrick Marr
41.	Ralph V. Stewart
57.	Violet Robichaud

Figure 5. Available properties in Fredericton area (NTS 21 G)



Property
Number

Title Holder

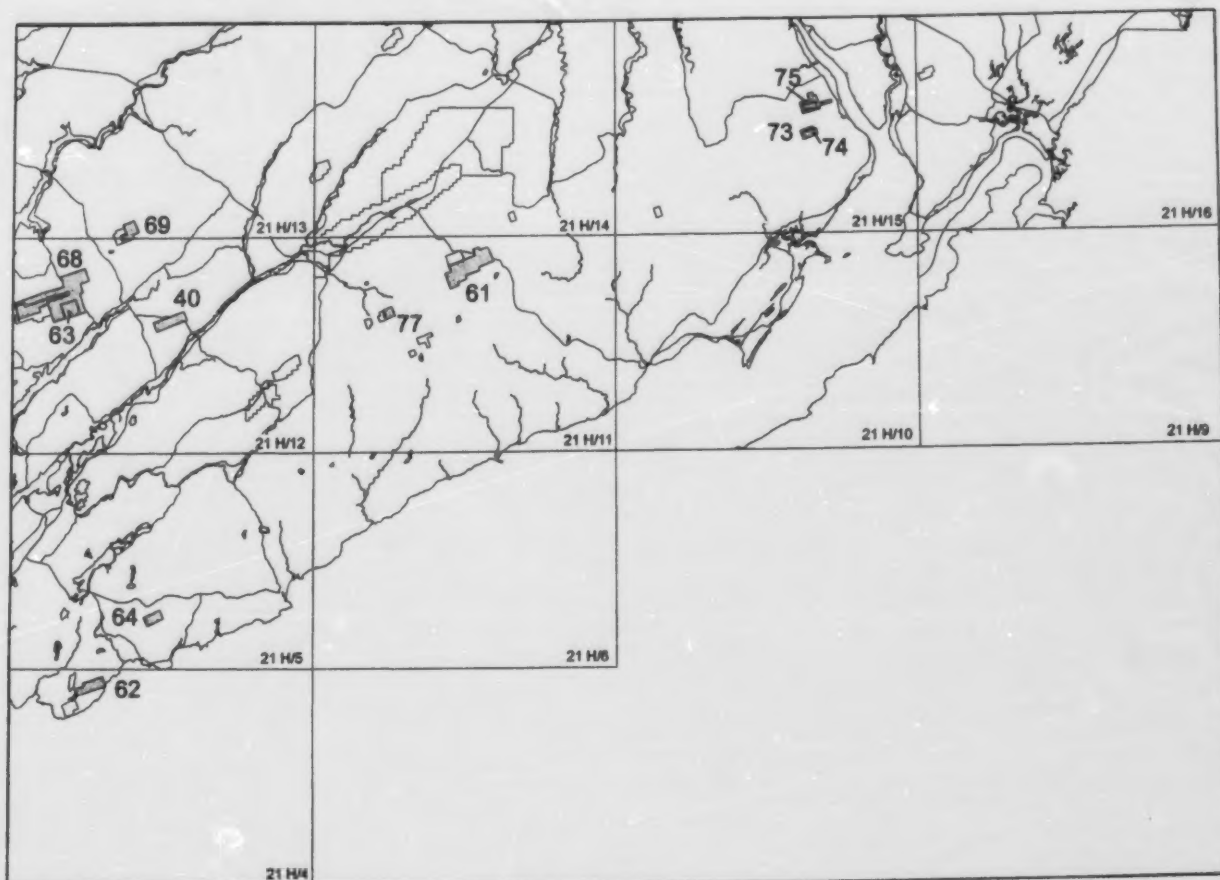
2.	Peter Fenety
32.	Patrick Marr
33.	Reg Cox
43.	Peter Fenety
44.	Peter Fenety
45.	Pro-Max Resources Inc.
46.	Raymond Thorn
47.	Pro-Max Resources Inc.
48.	Pro-Max Resources Inc.
49.	Southfield Resources Ltd.
50.	Raymond Thorn

Property
Number

Title Holder

51.	Pro-Max Resources Inc.
52.	Pro-Max Resources Inc.
53.	Pro-Max Resources Inc.
54.	Dave Stevens
55.	Southfield Resources Ltd.
56.	Southfield Resources Ltd.
58.	Ken Whaley
59.	Donald Hattie
67.	Bruce G. Taylor
72.	Reg Cox
76.	McMinn Pit Ltd.

Figure 6. Available properties in Sussex area (NTS 21 H)



Current to December 12, 2000

Property Number	Title Holder
40.	Norton Energy Corp.
61.	PGE Resource Corporation
62.	Pro-Max Resources Inc.
63.	Fosters Resources Ltd.
64.	Ken Whaley
68.	PGE Resource Corporation
69.	ATCAN Capital Corp.
73.	Ken Whaley
74.	Ken Whaley
75.	Ken Whaley
77.	Ken Whaley

Profil de l'industrie minière du Nouveau-Brunswick

- La valeur brute de la production minière au Nouveau-Brunswick se chiffre à près de 1 000 000 000 \$.
- L'industrie minière du Nouveau-Brunswick est un secteur diversifié dont relève la production d'environ 22 minéraux, notamment le zinc, le plomb, la potasse, la tourbe, le sable et le gravier.
- Au Canada, le Nouveau-Brunswick se classe deuxième après l'Alberta pour valeur de sa production minière au kilomètre carré.
- Le Nouveau-Brunswick possède les réserves économiques prouvées les plus importantes de zinc, de plomb et d'argent au Canada.
- L'industrie minière du Nouveau-Brunswick fournit des emplois et des possibilités de carrière (emplois directs) à environ 4000 Néo-Brunswickois, ainsi que des emplois supplémentaires (indirects) à au moins 4000 autres Néo-Brunswickois.
- L'essor de l'industrie minière du Nouveau-Brunswick a permis à une vaste gamme de services et d'associations spécialisés et non spécialisés au service de l'industrie de voir le jour dans la province. Ces services comprennent la recherche et le développement reliés aux ressources minérales, la prospection, l'analyse économique et financière, ainsi que le soutien du processus de réglementation.
- Le Nouveau-Brunswick est doté d'une excellente infrastructure sous le rapport des voies de circulation, des installations portuaires, des voies ferroviaires, des télécommunications, ainsi que de tarifs d'énergie électrique concurrentiels : des éléments qui sont tous vitaux à une industrie minière bien vivante.
- Le Nouveau-Brunswick dispose d'un programme d'aide d'un an (1998-1999) de 350 000 \$ (le PAEM-NB) qui vise à encourager l'exploration chez les petites sociétés minières.
- EXTECH-II est un programme fédéral-provincial de 6 800 000 \$ de cinq ans signé en 1994 qui vise la mise au point de techniques de prospection nouvelles et améliorées aux fins de la détection des gîtes de sulfures massifs dans le camp Bathurst.

New Brunswick's Mineral Industry Incentives

The Province of New Brunswick offers a number of incentives to companies and individuals in the mining industry as a means of encouraging mineral exploration, mine development and geoscience research.

Federal-Provincial Incentives

One of the major incentives to explore in New Brunswick is the availability of a comprehensive and up-to-date geoscience database. Recent programs, such as EXTECH-II in the Bathurst Mining Camp, NATMAP in the Carboniferous Basin, and the state-of-the-art multiparameter geophysical surveys over the Bathurst camp and northeastern part of Restigouche belt, are concrete examples of how New Brunswick is actively acquiring new geoscience data and using advanced technology to accomplish these objectives. If results from the 1997 geophysical survey in the northeastern part of the Restigouche belt are positive, plans are to carryout geochemical and geophysical surveys over the entire belt at a cost of \$ 2 200 000 in addition to the province's A-base and federal funding.

For further information, contact the Geological Surveys Branch in Fredericton, (506) 453-2206 or

Bathurst (506) 547-2070 or Sussex (506) 432-2010,

Internet Address - <http://www.gov.nb.ca/dnre/minerals>

Provincial Incentives

New Brunswick Exploration Assistance Program (NBEAP)

New Brunswick has announced a \$350 000 one-year financial assistance program for 1998-99. The program (NBEAP) provides assistance of 50% of exploration costs (to a maximum of \$40 000) to private sector junior mining companies. The applicant must be a company whose principal business is exploration or development; must have the mineral rights or options to the land being explored, cannot have a self-sustaining cash flow from operations and must not be a subsidiary of a major company. The company's 50% can be in-kind or cash. Eligible work includes: surface and underground core-drilling for exploration purposes; surface and underground bulk-sampling; sample analyses; and geological, geochemical and geophysical surveys.

For information, contact Greg Crouse, Tel. (506) 453-6651 or (506) 453-2206 e-mail: gwcrouse@gov.nb.ca

Mineral Exploration Stimulation Program (MESP)

MESP was introduced by the Province of New Brunswick in 1988 in order to promote grass-roots exploration in the Province. The program provides assistance to prospectors and explorationists by providing limited funding to cover basic prospecting costs such as sample collection and analysis, geophysical surveys, and related field expenses. Upon approval, grants of up to \$2500 per applicant are available to help defray prospecting costs. In some circumstances, with prior approval from the MESP Coordinator, special surveys can be charged to the MESP grant.

**For information, contact Greg Crouse,
Tel. (506) 453-2206.**

Metallic Minerals Tax Act

The *Metallic Minerals Tax Act* encourages economic development and optimum use of resources by providing conditions for the profitable and competitive operation of mineral properties.

Under the *Metallic Minerals Tax Act*, mineral-producing companies are eligible to write off exploration expenses incurred during pre-production and production phases. Recent changes to this Act permit **any** exploration company that eventually brings a mineral property into production to write off exploration expenses incurred in New Brunswick prior to the production date.

**For information, contact Tanis Taylor
Tel. (506) 453-2468.**

Other Possible Sources of Assistance

In addition to the above incentives, programs sponsored by other government agencies may be of assistance to you. Please direct inquiries to:

New Brunswick Department of Economic Development and Tourism

Jim Chandra, Industry Services
Tel. (506) 453-2727 FAX (506) 457-4845

Atlantic Canada Opportunities Agency (ACOA)

Wayne Gunter Tel. 1-800-561-4030 FAX (506) 452-2475

Stimulants offerts à l'industrie minière du Nouveau-Brunswick

Le gouvernement du Nouveau-Brunswick offre un certain nombre de stimulants aux entreprises et aux particuliers de l'industrie minière pour encourager la prospection minière, la mise en valeur des minéraux et la recherche géoscientifique.

Mesures incitatives fédérales-provinciales

L'accessibilité à une base de données géoscientifique détaillée et à jour représente l'un des principaux stimulants encourageant l'exploration au Nouveau-Brunswick. Les programmes récents comme EXTECH-II, dans le Camp minier de Bathurst, et NATMAP, dans le bassin du Carbonifère, et les levés géophysiques à paramètres multiples à la fine pointe du progrès au-dessus du Camp de Bathurst et de la partie nord-est de la ceinture de Restigouche constituent des exemples concrets de la façon dont le Nouveau-Brunswick acquiert activement de nouvelles données géoscientifiques et utilise la technologie de pointe pour réaliser ces objectifs. Si les résultats du levé géophysique de 1997 effectué dans le nord-est de la ceinture de Restigouche sont positifs, on prévoit réaliser des relevés géochimiques et géophysiques sur toute la superficie de la ceinture, ce qui ajouterait un investissement de 2 200 000 \$ aux fonds fédéraux et aux fonds des services votés de la province.

Pour de plus amples renseignements, communiquer avec la Direction des études géologiques à Fredericton, au (506) 453-2206, à Bathurst, au (506) 547-2070, ou à Sussex, au 432-2010. Adresse Internet : <http://www.gov.nb.ca/dnre/minerals>.

Mesures incitatives provinciales

Programme d'aide à l'exploration minière du Nouveau-Brunswick (PAEM-NB)

Le Nouveau-Brunswick a annoncé l'établissement d'un programme d'aide financière de 350 000 \$ d'un an en 1998-1999. Le PAEM-NB offre une aide équivalant à 50 p. 100 des coûts d'exploration (jusqu'à concurrence d'un maximum de 40 000 \$) aux petites sociétés minières privées. Les sociétés requérantes doivent être des entreprises principalement engagées dans la prospection ou le développement, doivent posséder les droits miniers pertinents ou posséder des options sur les biens-fonds faisant l'objet de travaux d'exploration, ne doivent pas jouir de liquidités indépendantes de leur exploitation et ne doivent pas constituer des filiales de grandes sociétés. La proportion de 50 p. 100 exigée de la société peut être formée de ressources financières ou non financières. Les travaux admissibles comprennent le carottage en surface et souterrain à des fins de prospection, l'échantillonnage global en surface et souterrain, les analyses d'échantillons, et les relevés géophysiques, géochimiques et géologiques.

Pour de plus amples renseignements, communiquer avec M. Greg Crouse, (506) 453-6651 ou (506) 453-2206, c. élec. : gucrouse@gov.nb.ca.

Programme de Stimulation de l'Exploration Minière (PSEM)

Le gouvernement du Nouveau-Brunswick a lancé le PSEM en 1988 en vue de promouvoir l'exploration primaire dans la province. Le programme offre de l'aide aux prospecteurs en leur accordant des subventions limitées visant à amortir les coûts de prospection de base, notamment le prélèvement et l'analyse des échantillons, les études géophysiques, ainsi que les dépenses connexes sur le terrain. Après approbation, des subventions maximales de 2 500 \$ par requérant sont offertes aux intéressés afin de les aider à assumer les coûts des travaux de prospection. Dans certains cas, avec l'approbation préalable du coordonnateur du PSEM, des études spéciales peuvent être imputées à la subvention du PSEM.

Pour plus de renseignements, communiquer avec M. Greg Crouse, au (506) 453-2206.

Loi de la taxe sur les minéraux métalliques

La loi de la taxe sur les minéraux métalliques encourage l'expansion économique et la mise en valeur optimale des ressources en offrant les conditions voulues pour l'exploitation profitable et concurrentielle des concessions minières.

En vertu de la loi de la taxe sur les minéraux métalliques, les entreprises productrices de minéraux sont admissibles à déduire les dépenses de prospection engagées au cours des phases de mise en route et de production. Des modifications récentes apportées à la Loi permettent à n'importe quelle société de prospection qui mettrait une concession minière en exploitation de déduire les dépenses de prospection engagées au Nouveau-Brunswick avant la date de mise en exploitation.

Pour plus de renseignements, communiquer avec Mme Tanis Taylor, au (506) 453-2468.

Autres sources d'aide possibles

Outre les mesures incitatives susmentionnées, des programmes parrainés par d'autres organismes gouvernementaux peuvent aider les intéressés. Pour obtenir des renseignements, s'adresser au :

Ministère du Développement économique et du Tourisme du Nouveau-Brunswick

M. Jim Chandra, Services à l'industrie
Téléphone : (506) 453-2727 Télécopieur : (506) 457-4845 ou à :

L'Agence de promotion économique du Canada Atlantique (APECA)

M. Wayne Gunter
Téléphone : 1-800-561-4030
Télécopieur : (506) 452-2475

New Brunswick: Mineral Lands, The Mining Act and Related Legislation

Most minerals in New Brunswick, including all gold and silver, are Crown-owned. The Province of New Brunswick makes these Crown-owned minerals available for prospecting and staking through the *Mining Act*. Such substances as peat, ordinary sand, gravel, clay, soil, and stone are not subject to the *Mining Act*; they are owned by the landowner if on private lands or they are subject to the *Quarriable Substances Act* if on Crown lands.

Prospecting Licence

A prospecting licence is required to prospect or stake mineral claims. A personal licence costs \$25 and a corporate licence costs either \$75 or \$300, depending on authorized capital. The licence is valid for a lifetime, with no annual renewals or fees required.

Claim Staking

Claims are ground-staked. A mineral claim is a square, 400 m on the side; metal tags are placed at each corner and flagging tape marks the line between corners. Claims can be staked on any land open for prospecting and staking. This includes private land as well as Crown lands. The rights to coal and potash are obtained by agreements with the Crown. Claims can be renewed indefinitely by paying a renewal fee and performing a minimum level of exploration work. When a mineral deposit is to be put into production, the claims have to be converted to a mining lease. A mining lease has a term of 20 years, renewable three times.

For information on mineral lands and the Mining Act, contact R.D. Shaw, Tel. (506) 453-2206.

Mine Approval

New Brunswick's mine approval process is well defined and coordinated through the Province's Standing Committee on Mining and the Environment. The purpose of this committee is to provide timely and consistent review for approvals related to mineral exploration, mine development, and mine operation, as required by the provisions and regulations of both the Department of Natural Resources and Energy, and the Department of the Environment. The members of the committee consist of an intergovernmental team of professionals, each responsible for certain facets of the legislation necessary for mine-related approvals.

Legislation and Mine Approval

The principal pieces of legislation affecting the mine approval process include the *Mining Act*, the *Clean Environment Act*, and the *Clean Water Act*. Under the *Mining Act*, it is necessary for the proponent to submit both a feasibility study and a reclamation plan that will demonstrate the viability of the prospective undertaking, while providing for a program that will guarantee the protection, reclamation and rehabilitation of the environment. The proponent is required to post a security in an amount and form that will ensure the complete reclamation of the site should the proponent not be in a position to meet the requirements for mine reclamation.

The major requirement under the *Clean Environment Act*, other than the necessary approvals to construct and operate, is the Environmental Impact Assessment (EIA) regulation. Any commercial mining venture is required to be registered and reviewed under that regulation. The registration document will identify any anticipated impact of the proposed mining endeavour. If these concerns are successfully addressed in the EIA registration document, a full EIA may not be necessary. This has been the case in a majority of mine EIA registrations and to date only one mine undertaking has required a full EIA (which was successfully completed).

Other legislation involved in the mine approval process includes the *Community Planning Act* for development in populated areas and the *Crown Lands and Forests Act* for development on Crown land.

For information on legislation and the mine approval process, contact S.K. McEwan, Tel. (506) 453-2206.

Nouveau-Brunswick : Terres minérales, *Loi sur les mines et Lois connexes*

La majeure partie des minéraux du Nouveau-Brunswick, y compris toutes les réserves d'or et d'argent, appartiennent à la Couronne. Le gouvernement du Nouveau-Brunswick rend ces minéraux appartenant à la Couronne accessibles à la prospection et au jalonnement en vertu de la *Loi sur les mines*. Les substances comme la tourbe, le sable ordinaire, le gravier, l'argile, la terre et la pierre ne sont pas assujettis à la *Loi sur les mines*. Ils appartiennent au propriétaire foncier s'ils se trouvent sur des terres privées; ils sont assujettis à la *Loi sur l'exploitation des carrières*, s'ils se trouvent sur des terres de la Couronne.

Permis de prospection

Un permis de prospection est nécessaire pour prospecter ou jalonner des claims. Un permis de particulier coûte 25 \$, et un permis d'entreprise, 75 \$ ou 300 \$, selon le capital autorisé. Le permis est valide pour la vie; aucuns renouvellement annuel ni droits annuels ne sont requis.

Jalonnement des claims

Les claims sont jalonnés au sol. Un claim minier est un carré de 400 m de côté. Des étiquettes métalliques sont placées à chaque coin et du ruban de jalonnement marque les lignes entre les coins. On peut jalonner des claims sur n'importe quelle terres ouverte à prospection et au jalonnement, ce qui inclut tant les terres privées que les terres de la Couronne. Les intéressés peuvent obtenir les droits rattachés au charbon et à la potasse en signant des ententes avec la Couronne. Les claims peuvent être renouvelés indéfiniment par le versement d'un droit de renouvellement et la réalisation d'un niveau minimal de travaux de prospection. Lorsqu'un gîte minéral doit être mis en valeur, le claim doit être converti en bail minier. Un bail minier a une durée de 20 ans et il est renouvelable à trois reprises.

Pour plus de renseignements sur les terres minérales et la Loi sur les mines, communiquer avec M. R.D. Shaw, au (506) 453-2206.

Autorisation d'exploitation

Le processus d'autorisation de l'exploitation minière du Nouveau-Brunswick est bien défini et il est coordonné par le *Comité permanent sur les mines et l'environnement* de la province. Ce comité a pour fonction d'effectuer une évaluation prompte et cohérente aux fins des autorisations liées à la prospection minière, à la mise en valeur et à l'exploitation des mines, conformément aux dispositions et aux règlements du ministère des Ressources naturelles et de l'Énergie, ainsi que du ministère de l'Environnement. Les membres du Comité forment une équipe interministérielle de spécialistes, chacun étant chargé de certaines facettes de la législation nécessaires aux autorisations relatives aux mines.

Législation et autorisation d'exploitation

Les principales lois visant le processus d'autorisation d'exploitation sont la *Loi sur les mines*, la *Loi sur l'assainissement de l'environnement* et la *Loi sur l'assainissement de l'eau*. En vertu de la *Loi sur les mines*, le proposant doit soumettre une étude de faisabilité et un plan de remise en état qui démontreront la viabilité de l'entreprise éventuelle, tout en offrant un programme garantissant la protection, la remise en état et la remise en valeur de l'environnement. Le promoteur doit déposer un cautionnement d'un montant et d'une forme qui garantiront la remise en état complète de l'emplacement au cas où il ne pourrait pas satisfaire aux exigences fixées relativement à la restauration du terrain de la mine.

La principale exigence stipulée par la *Loi sur l'assainissement de l'environnement*, mis à part les autorisations nécessaires pour la construction et l'exploitation, est le règlement sur les études d'impact sur l'environnement (EIE). Toute entreprise d'exploitation minière commerciale doit être enregistrée et évaluée en vertu de ce règlement. Le document d'enregistrement définira tout impact anticipé de l'entreprise minière proposée. Si le document d'enregistrement de l'EIE répond fructueusement à ces préoccupations, une EIE complète peut ne pas être nécessaire. Tel a été le cas de la majorité des enregistrements d'EIE de mines; jusqu'à maintenant, seulement une entreprise minière a nécessité une EIE complète (qui a été réalisée avec succès).

Les autres lois portant sur le processus d'autorisation de l'exploitation minière sont la *Loi sur l'urbanisme*, relativement à l'aménagement dans les zones urbaines, ainsi que la *Loi sur les terres et forêts de la Couronne*, qui touche l'aménagement des terres de la Couronne.

Pour plus de renseignements sur les lois et le processus d'autorisation de l'exploitation minière, communiquer avec M. S.K. McEwan au (506) 453-2206.

Bedrock Geology of New Brunswick



The Appalachian Orogen of New Brunswick is divided into a number of northeast-trending tectonostratigraphic zones recognized on the basis of their unique stratigraphy and deformational history.

The **Caledonia Zone** is underlain by a Middle Proterozoic quartzite-carbonate sequence and a succession of Late Proterozoic volcanic and associated intrusive rocks. A Cambrian to Early Ordovician platformal sequence containing a distinctive Acado-Baltic trilobite fauna unconformably overlies the Precambrian rocks. The Caledonia Zone is generally considered to represent a fragment rifted from the continental margin of Gondwana during opening of the Early Paleozoic Iapetus Ocean.

The **St. Croix, Miramichi, and Elmtree Zones** contain volcanic assemblages with supra-subduction-zone chemical signatures. The St. Croix Zone is characterized by Late Cambrian to Early Ordovician volcanic rocks and Early to Middle Ordovician shales and wackes. The Miramichi Zone comprises Early to Middle Ordovician volcanic rocks built upon a thick substratum of Cambrian turbidites. The Elmtree Zone is underlain by a Middle Ordovician ophiolitic suite. The arc and back-arc terranes represented by the St. Croix, Miramichi, and Elmtree zones were accreted to the Gondwanan continental margin during contraction of the Iapetus Ocean in Late Ordovician to Silurian time.

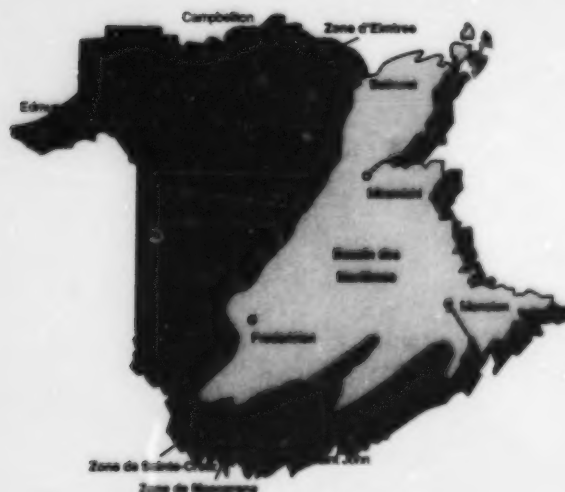
The **Fredericton and Restigouche Zones** contain thick successions of calcareous and siliciclastic turbidites ranging from Late Ordovician to Early Devonian in age. These deep-marine sedimentary sequences were likely deposited in foredeep basins developed in front of rising nappes during closure of the Iapetus Ocean and subsequent collision of the Gondwanan (combined Africa and South America) and Laurentian (North America) continental margins.

The **Mascarène and Tobique-Chaleur Zones** are underlain by Silurian to Early Devonian volcanic rocks interbedded with shallow-marine to fluvial sedimentary rocks. The volcanic rocks possess intraplate chemical signatures and were probably erupted in transcurrent basins formed as a result of oblique continental convergence. Thickening of continental crust generated bimodal batholithic suites that were emplaced between the Late Silurian and Middle Devonian.

The **Maritimes Basin** includes Late Devonian to Carboniferous fluvial conglomerate and sandstone sequences, shallow-marine limestone and evaporites, lacustrine oil shales, and subaerial volcanic rocks. These rocks were deposited in a successor basin within the uplifted Appalachian Orogen and are undeformed except along fault zones in southern New Brunswick.

L.R. Fyffe, 1994

Géologie du substrat rocheux du Nouveau-Brunswick



L'orogène des Appalaches du Nouveau-Brunswick est divisé en un certain nombre de zones tectonostratigraphiques orientées vers le nord-est et reconnues de par leur stratigraphie et de leurs déformations uniques.

La **Zone Calédonienne** repose sur une paragenèse de quartzite-carbonate du Protérozoïque moyen et sur une succession de roches volcaniques du Protérozoïque supérieur et de roches intrusives associées. Une séquence de plates-formes du Cambrien à l'Ordovicien inférieur renfermant une faune distinctive de trilobites acado-baltiques recouvre de façon discordante les roches précambriennes. On estime en général que la zone calédonienne représente un fragment de la marge continentale du Gondwana détaché lors de la naissance de l'océan Japet au Paléozoïque inférieur.

Les **Zones de Sainte-Croix, de Miramichi, et d'Elmtree** renferment des assemblages volcaniques avec marques d'action chimique de zones de supra-subduction. La zone de Sainte-Croix est caractérisée par des roches volcaniques du Cambrien supérieur à l'Ordovicien inférieur et par des schistes et des wackes de l'Ordovicien inférieur à moyen. La zone de Miramichi comprend des roches volcaniques de l'Ordovicien inférieur à moyen érigées sur un épais substrat de turbidites cambriennes. La zone d'Elmtree repose sur un cortège ophiolitique de l'Ordovicien moyen. Les formations géologiques en arc et arrière-arc représentées par les zones de Sainte-Croix, de Miramichi, et d'Elmtree ont été accrétées à la marge continentale du Gondwana au cours de la contraction de l'océan Japet pendant la période de l'Ordovicien inférieur au Silurien.

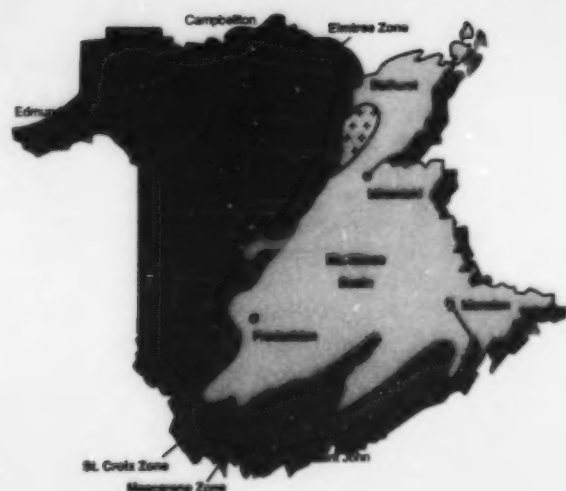
Les **Zones de Fredericton et de Restigouche** renferment d'épaisses successions de turbidites calcaires et silicoclastiques s'étendant de l'Ordovicien supérieur au Dévonien inférieur. Ces paragenèses sédimentaires marines profondes ont été vraisemblablement déposées dans des avant-fosses formées à l'avant de nappes montantes pendant la fermeture de l'océan Japet et la collision ultérieure des marges continentales du Gondwana (Afrique et Amérique du Sud combinées) et de la région laurentienne (Amérique du Nord).

Les **Zones de Maccarene et de Tobique-Chaleur** reposent sur des roches volcaniques du Silurien au Dévonien inférieur interstratifiées de roches sédimentaires marines peu profondes à fluviales. Les roches volcaniques présentent des marques d'action chimique d'intraplaques; elles ont probablement été rejetées par des volcans dans des bassins de décrochement formés à la suite d'une convergence continentale oblique. L'épaississement de la croûte continentale a engendré des successions batholitiques bimodales apparues entre le Silurien supérieur et le Dévonien moyen.

Le **Bassin des Maritimes** comprend des séquences de conglomérats et de grès fluviales, des calcaires et des évaporites marins peu profonds, des schistes bitumineux lacustres et des roches volcaniques subaériennes du Dévonien supérieur au Carbonifère. Ces roches ont été déposées dans un bassin successeur à l'intérieur de l'orogène des Appalaches soulevé, et elles ne sont pas déformées, sauf le long des zones de failles dans le sud du Nouveau-Brunswick.

L.R. Fyffe, 1994

New Brunswick's Stratabound Massive Sulphide Deposits



Exploration Areas in:



Miramichi And Elmtree Zones

Zn, Pb, Cu, Ag Deposits

Host Rocks: Middle Ordovician mudstones within felsic volcanoclastic and volcanic pile

Tectonic Setting: Ensialic margin of a back-arc rift basin

Genetic Model: Brunswick type (i.e., brine pool model analogous to Atlantis II Deep)

Ore Controls/Guide to Exploration: Submarine volcanoclastic debris flows, "quartz-augen-schist", syndepositional faults, Fe-rich chloritic mudstones, $\text{Na}_2\text{O} + \text{K}_2\text{O}$ depletion in footwall alteration

Examples: Brunswick No. 12: over 100 000 000 t of 12% combined Zn+Pb; Heath Steele: more than 20 000 000 t of >6% combined Zn+Pb; Halfmile Lake: approximately 12 000 000 t of >9% combined Zn+Pb

Zn, Cu Deposits

Host Rocks: Middle Ordovician mafic volcanic rocks and associated sediments

Tectonic Setting: Slope and/or floor of a back-arc rift basin

Genetic Model: Cyprus-type

Ore Controls/Guide to Exploration: Syndepositional faults, submarine volcanic breccias, Mg-metasomatism

Example: Turgeon: more than 500 000 t of about 4% Zn and 1.5% Cu



Tobique-Chaleur Zone

Zn, Pb, Cu, Ag Deposits

Host Rocks: Early Devonian rhyolite domes and associated flows and sediments

Tectonic Setting: Shallow marine basin associated with extensional collapse

Genetic Model: Kuroko type

Ore Controls/Guide to Exploration: Felsic volcanic domes, associated breccias and hyaloclastites, Fe-rich chloritic alteration

Examples: Sewell Brook: drill intercepts include 5.7 m of 41%, 5 m of 36%, and 10 m of 33% combined Zn+Pb; Gravel Hill: one drill intercept of 1.1 m assayed 8.3% Zn, 1.66% Pb and 0.36% Cu



St. Croix Zone

Cu, Zn Deposits

Host Rocks: Early Ordovician mafic volcanic rocks

Tectonic Setting: Back-arc rift

Genetic Model: Besshi type

Ore Controls/Guide to Exploration: Permeable mafic volcanic rocks

Example: Annidale: approximately 100 000 t grading 2-5% Cu

Zn, Pb, Cu, Ag Deposits

Host Rocks: Early Ordovician rhyolite breccias and hyaloclastites

Tectonic Setting: Back-arc rift

Genetic Model: Kuroko type

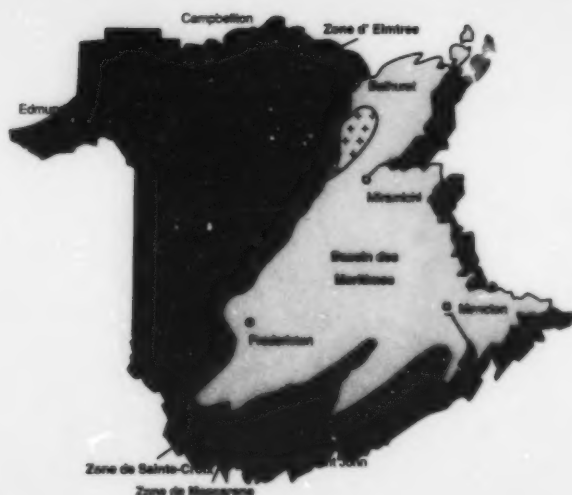
Ore Controls/Guide to Exploration: Felsic volcanic domes, associated sericitized and silicified breccias and hyaloclastites

Example: Harborside (in Maine, none discovered yet in New Brunswick)

S.R. McCutcheon & A.A. Ruitenberg, 1994

Additional information: New Brunswick's mineral occurrence/deposit database

Gîtes de sulfures massifs stratiformes du Nouveau-Brunswick



Régions d'exploration :



Zones de Miramichi et d'Elmtree

Gîtes de Zn, Pb, Cu et Ag

Roches hôtes: Mudstones de l'Ordovicien moyen à l'intérieur d'une pile felsique volcanoclastique et volcanique
Cadre tectonique: Marge ensialique d'un bassin d'effondrement arrière-arc

Modèle génétique: Type Brunswick (c.-à-d. modèle de bassin saumâtre analogue à l'abysse Atlantis II)
Facteurs de minéralisation / Guide d'exploration: Écoulements de débris volcanoclastiques sous-marins; quartz-schiste ocellé; failles synsédimentaires; mudstones chlorités riches en Fe; épuisement de Na_2O + K_2O dans l'altération de la lèvre inférieure

Exemples: Brunswick no 12 : plus de 100 000 000 t de Zn+Pb combinés à 12 pour 100; Heath Steele plus de 20 000 000 t de Zn+Pb combinés de > 6 pour 100; Halfmile Lake : environ 12 000 000 t de Zn+Pb combinés de > 9 pour 100

Gîtes de Zn et de Cu

Roches hôtes: Roches mafiques volcaniques de l'Ordovicien moyen et sédiments associés
Cadre tectonique: Versant ou plancher d'un bassin d'effondrement arrière-arc

Modèle génétique: Type Chypre

Facteurs de minéralisation / Guide d'exploration: Failles synsédimentaires; brèches volcaniques sous-marines; métasomatose Mg

Exemple: Turgeon: plus de 500 000 t d'une teneur approximative de 4 pour 100 de Zn et de 1,5 pour 100 de Cu



Zone de Tobique-Chaleur

Gîtes de Zn, Pb, Cu et Ag

Roches hôtes: Dômes rhyolitiques du Dévonien inférieur ainsi que sédiments et coulées connexes

Cadre tectonique: Bassin marin peu profond associé à un effondrement d'extension

Modèle génétique: Type Kuroko

Facteurs de minéralisation / Guide d'exploration:

Dômes felsiques volcaniques; brèches et hyaloclastites associées; altération chloritée riche en Fe

Exemples: Sewell Brook : les interceptions de sondage comprennent 5,7 m de Zn+Pb d'une teneur de 41 pour 100; 5 m, d'une teneur de 36 pour 100; et 10 m, d'une teneur de 33 pour 100; Gravel Hill : une interception de sondage de 1,1 m a révélé des teneurs de Zn de 8,3 pour 100; de Pb, de 1,66 pour 100; et de Cu, de 0,36 pour 100



Zone de Sainte-Croix

Gîtes de Cu et de Zn

Roches hôtes: Roches mafiques volcaniques de l'Ordovicien inférieur

Cadre tectonique: Effondrement arrière-arc

Modèle génétique: Type Besshi

Facteurs de minéralisation / Guide d'exploration:

Roches mafiques volcaniques perméables

Exemple: Annidale : environ 100 000 t d'une teneur de Cu de 2 à 5 pour 100

Gîtes de Zn, Pb, Cu et Ag

Roches hôtes: Brèches et hyaloclastites rhyolitiques de l'Ordovicien inférieur

Cadre tectonique: Effondrement arrière-arc

Modèle génétique: Type Kuroko

Facteurs de minéralisation / Guide d'exploration:

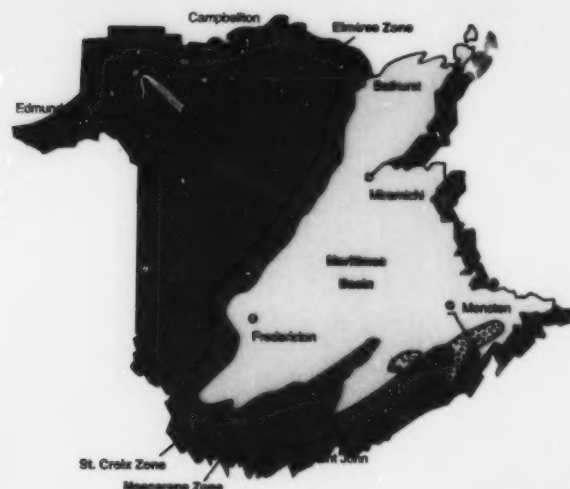
Dômes felsiques volcaniques; brèches et hyaloclastites séricitisées et silicifiées associées

Exemples: Harborside (dans l'État du Maine, aucun découvert encore au Nouveau-Brunswick)

S.R. McCutcheon et A.A. Ruitenberg, 1994

Renseignements supplémentaires : base de données des indices/gîtes minéraux du Nouveau-Brunswick

New Brunswick's Copper Skarn and Sedimentary Copper Deposits



Exploration Areas in:



Tobique-Chaleur And Restigouche Zones

Cu, Fe, (W, Zn, Pb, Ag, Au) Deposits

Host Rocks, Tobique-Chaleur Zone: Middle Silurian limestone

Host Rocks, Restigouche Zone: Late Ordovician to Early Silurian limestone

Tectonic Setting: Transpressional (syntectonic) shallow to moderately deep, ensialic marine basins
Genetic Model: Hydrothermal metasomatic replacement of wall rocks contemporaneous with emplacement of syntectonic intrusions

Ore Controls/Guide to Exploration: Impure limestone beds, close proximity to syntectonic intrusions of intermediate composition, structural and stratigraphic traps and fluid pathways, metal zoning

Examples: Beresford Cu: more than 400 000 t grading 1.29% Cu; McKenzie Gulch: more than 400 000 t grading 1.6% Cu



Maritimes Basin

Cu (Ag) Deposits

Host Rocks: Late Carboniferous sandstone

Tectonic Setting: Post-tectonic successor basin

Genetic Model: Groundwater transport of metals through oxidized beds with precipitation caused by changes in eH (biogenically produced sulphur from wood trash) and/or pH (carbonate)

Ore Controls/Guide to Exploration: Permeable lower parts of fining upward fluvial cycles, fault and fracture zones

Examples: Dorchester Cu: about 6 000 000 t of low grade Cu, with some zones grading 2-10% Cu; Elgin Cu: 25 000 t grading 2.25% Cu

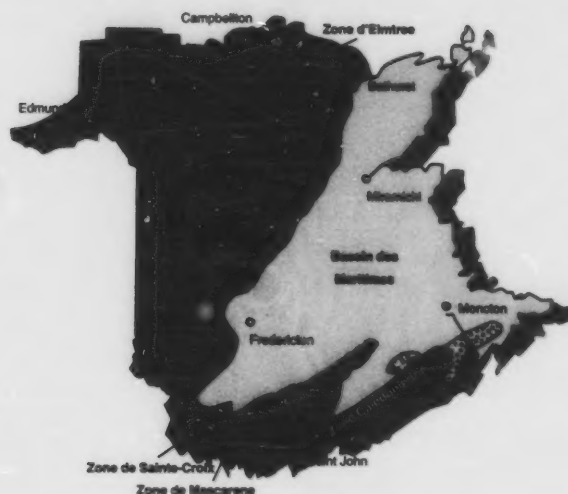
S.R. McCutcheon & A.A. Ruitenberg, 1994

Additional information: New Brunswick's mineral occurrence/deposit database

New Brunswick's Mineral Industry Sector Profile

- The gross value of mineral production in New Brunswick is approaching \$1 000 000 000.
- The mineral industry in New Brunswick is a diversified sector, responsible for the production of approximately 22 mineral commodities (e.g., zinc, lead, potash, peat, sand and gravel).
- In Canada, New Brunswick is second only to Alberta in the value of mineral production per square kilometre.
- New Brunswick has the largest proven economic reserves of zinc, lead, and silver in Canada.
- The New Brunswick mineral industry provides jobs and career opportunities (direct employment) for approximately 4000 New Brunswickers and additional (indirect) employment for at least 4000 more.
- As a result of the growth of New Brunswick's mineral industry, a wide range of professional and non-professional services and associations have been established in the Province to service the industry. These services include mineral-related research and development, exploration, economic and financial analysis, and regulatory process support.
- New Brunswick provides excellent infrastructure in the form of roads, ports, rail, communications, and competitive electric power rates, all vital to a vibrant mineral industry.
- New Brunswick has a one-year (1998-99), \$350 000 assistance program (NBEAP) to encourage junior mining sector exploration activity.
- EXTECH-II is a \$6 800 000, federal-provincial, five-year program signed in 1994 to develop new and improved exploration techniques for the detection of massive sulphide deposits in the Bathurst camp.

Gîtes de skarns de cuivre et de cuivre sédimentaire du Nouveau-Brunswick



Régions d'exploration :



Zones de Tobique-Chaleur et de Restigouche

Gîtes de Cu, Fe (W, Zn, Pb, Ag, Au)

Roches hôtes : Zone de Tobique-Chaleur : Calcaire du Silurien moyen

Roches hôte : Zone de Restigouche : Calcaire de l'Ordovicien supérieur au Silurien inférieur

Cadre tectonique : Bassins marin ensialiques peu profonds à moyennement profonds transpressionnels (syntectoniques)

Modèle génétique : Remplacement métasomatique hydrothermal de roches encaissantes et apparition d'intrusions syntectoniques

Facteurs de minéralisation / Guide d'exploration : Lits de calcaire impur à étroite proximité d'intrusions syntectoniques de composition intermédiaire; de pièges stratigraphiques et structuraux et de chemins fluides; zonage métallique

Exemples : Cu de Beresford : plus de 400 000 t ayant une teneur en Cu de 1,29 pour 100; McKenzie Gulch : plus de 400 000 t ayant une teneur en Cu de 1,6 pour 100



Bassin des Maritimes

Gîtes de Cu (Ag)

Roches hôtes : Grès du Carbonifère supérieur

Cadre tectonique : Bassin successeur post-tectonique

Modèle génétique : Transport par eaux souterraines de métaux par le biais de lits oxydés avec précipitation causée par des modifications au eH

(soufre produit biogénétiquement à partir de déchets ligneux) ou au pH (carbonate)

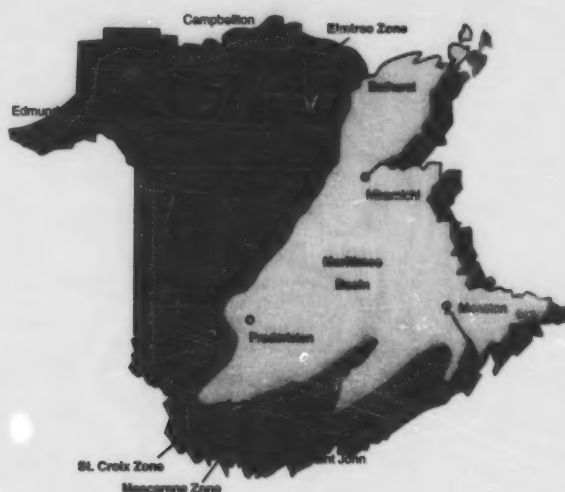
Facteurs de minéralisation / Guide d'exploration : Parties inférieures perméables de cycles fluviaux d'affinage de bas en haut; zones de failles et de fractures

Exemple : Cu de Dorchester : environ 6 000 000 t à faible teneur en Cu, certaines zones ayant une teneur en Cu de 2 à 10 pour 100; Cu d'Elgin : 25 000 t à teneur en Cu de 2,25 pour 100

S.R. McCutcheon et A.A. Ruitenberg, 1994

Renseignements supplémentaires : base de données des indices/gîtes minéraux du Nouveau-Brunswick

New Brunswick's Tin, Tungsten, Indium and Bismuth Deposits



Exploration Areas in:



St. Croix Zone

Sn, W, In, Bi, (Mo, Zn, Cu, Pb) Deposits

Host Rocks: Late Devonian silica-rich, and slightly peraluminous, subalkaline granite stocks and their contact aureoles

Tectonic Setting: Magmas formed by adiabatic melting of continental crust immediately after the Acadian Orogeny

Genetic Model: Silica- and potash-rich magmas generated F- and/or B-rich fluids or vapour phases.

Deposits were emplaced in faults, fractures and breccias within the intrusions or their contact aureoles.

Ore Controls/Guides to Exploration: (1) Associated with the younger phases of multi-phase granite intrusions. The rocks are characterized by very high K_2O/Na_2O , Rb/Sr and Rb/Ba and low Fe, Mg, Ti and Eu. (2) Deposits are concentrated in zones of intense fracturing.

(3) Mineralization is associated with quartz-muscovite-topaz and fluorite alteration of feldspars and biotite (greisen).

(4) The deposits are telescoped and invariably zoned.

Examples: Mount Pleasant: 5 100 000 t averaging 0.79% Sn and 0.01–0.02% In and 9 000 000 t averaging 0.79% WO_3 and 0.1% Bi. Indium reserves at Mount Pleasant are estimated to exceed 1000 t of contained indium metal (not including narrow veins that assay up to 0.6% In.); Pleasant Ridge: Channel sample with 0.98% Sn and 9% Zn over 2 m; one grab sample assayed 0.157% In.



Miramichi and Elmtree Zones

Sn, W, In, Bi, (Mo, Zn, Cu, Pb) Deposits

Host Rocks: Middle Devonian silica-rich, and slightly peraluminous, subalkaline granite stocks

Tectonic Setting: Magmas formed by adiabatic melting of continental crust immediately after the Acadian Orogeny

Genetic Model: Silica- and potash-rich magmas generated F- and/or B-rich fluids or vapour phases.

Deposits were emplaced in faults, fractures and breccias within the intrusions or their contact aureoles.

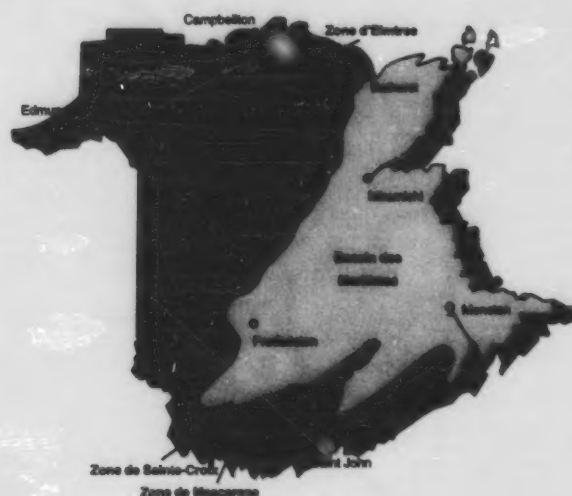
Ore Controls/Guides to Exploration: (1) Associated with the younger phases of multi-phase granite intrusions. The rocks are characterized by very high K_2O/Na_2O , Rb/Sr and Rb/Ba and low Fe, Mg, Ti and Eu. (2) Deposits are concentrated in zones of intense fracturing. (3) Mineralization is associated with quartz-muscovite-topaz and fluorite alteration of feldspars and biotite (greisen). (4) The deposits are telescoped and invariably zoned.

Examples: Burnthill: 1360.8 t grading 0.75% WO_3 ; Todd Mountain: one drill hole intersected 0.67% Sn over 1.5 m.

A.A. Ruitenberg & S.R. McCutcheon, 1994

Additional information: New Brunswick's mineral occurrence/deposit database

Gîtes d'étain, de tungstène, d'indium et de bismuth du Nouveau-Brunswick



Régions d'exploration :



Zone de Sainte-Croix

Gîtes de Sn, W, In, Bi (Mo, Zn, Cu, Pb)

Roches hôtes : Petits massifs de granit subalcalin et leurs auréoles de contact riches en silicium et légèrement hyperalumineux du Dévonien supérieur

Cadre tectonique : Magmas formés par la fusion adiabatique de la croûte continentale immédiatement après l'orogénèse acadienne

Modèle génétique : Des magmas riches en silicium et en potasse ont produit des phases de liquides et de vapeur riches en F ou en B. Les gîtes ont été insérés dans des failles, des fractures et des brèches à l'intérieur des intrusions ou de leurs auréoles de contact.

Facteurs de minéralisation / Guide d'exploration :

(1) Associés aux phases plus jeunes d'intrusions de granit multiphases. Les roches se caractérisent par des teneurs très élevées en K_2O/Na_2O , en Rb/Sr et en Rb/Ba, ainsi que peu élevées en Fe, en Mg, en Ti et en Eu. (2) Les gîtes sont concentrés dans les zones de fracturation intense. (3) La minéralisation est associée à une altération de quartz-muscovite-topaze et de fluorite de feldspaths et de biotite (greisen).

(4) Les gîtes sont télescopés et invariablement zonés.

Exemples : Mount Pleasant : 5 100 000 t contenant en moyenne 0,79 pour 100 de Sn et de 0,01 0,02 pour 100 d'In; et 9 000 000 t contenant en moyenne 0,79 pour 100 de WO_3 et 0,1 pour 100 de Bi. Les teneurs en métal d'indium des réserves d'indium de Mount Pleasant sont évaluées à 1 000 t (sans compter d'étroites veines renfermant jusqu'à 0,6 pour 100 d'indium); Pleasant Ridge: Échantillon en rainure présentant 0,98 pour 100 de Sn et 9 pour 100 de Zn au-dessus de 2 m; un échantillon prélevé au hasard a révélé une teneur en indium de 0,157 pour 100.



Zones de Miramichi et d'Elmtree

Gîtes de Sn, W, In, Bi (Mo, Zn, Cu, Pb)

Roches hôtes : Petits massifs de granit subalcalin riche en silicium et légèrement hyperalumineux du Dévonien moyen

Cadre tectonique : Magmas formés par la fusion adiabatique de la croûte continentale immédiatement après l'orogénèse acadienne

Modèle génétique : Des magmas riches en silicium et en potasse ont produit des phases de liquides et de vapeur riches en F ou en B. Les gîtes ont été insérés dans des failles, des fractures et des brèches à l'intérieur des intrusions ou de leurs auréoles de contact.

Facteurs de minéralisation / Guide d'exploration :

(1) Associés aux phases plus jeunes d'intrusions de granit multiphases. Les roches sont caractérisées par des teneurs très élevées en K_2O/Na_2O , en Rb/Sr et en Rb/Ba, ainsi que peu élevées en Fe, en Mg, en Ti et en Eu. (2) Les gîtes sont concentrés dans les zones de fracturation intense. (3) La minéralisation est associée à une altération de quartz-muscovite-topaze et de fluorite de feldspaths et de biotite (greisen). (4) Les gîtes sont télescopés et invariablement zonés.

Exemples : Burnthill : 1 360,8 t renfermant 0,75 pour 100 de WO_3 ; mont Todd : un trou de forage recoupé de 0,67 pour 100 de Sn sur une épaisseur de 1,5 m.

A.A. Ruitenberg et S.R. McCutcheon, 1994

Renseignements supplémentaires : base de données des indices/gîtes minéraux du Nouveau-Brunswick

New Brunswick's Nickel-Cobalt-Copper, PGE and Titanium deposits



Exploration Areas in:



St. Croix and Miramichi Zones

Ni, Co, Cu Deposits

Host Rocks: Early Devonian, layered, mafic to ultramafic intrusions emplaced in Ordovician, sulphide-rich metasedimentary rocks.

Tectonic Setting: Deep-seated magmas emplaced in extensional settings following the Acadian Orogeny.

Genetic Model: Contamination of relatively primitive magma by sulphide-rich metasedimentary (including exhalite) rocks and/or by siliceous magma, resulted in sulphur saturation and deposition of sulphides within ultramafic host rocks.

Ore Controls/Guides to Exploration: (1) Most significant (massive) zones appear to be remobilized and are associated with noritic to dioritic rocks. (2) Proximity to the sulphide-rich, metasedimentary pendants, xenoliths and/or contacts. (3) Ultramafic layers or zones with cumulus silicates at depth.

Examples: St. Stephen: Rogers Farm Zone contains 400 000 t averaging 1.0% Ni, 0.4% Cu and 0.05-0.15% Co; the best intersection in the C Zone is 2.98% Ni, 0.93% Cu and 0.1% Co over 5.5 m; and in the Hall-Carroll Zone is 0.91% Ni and 0.79% Cu over 24.1 m. Overall Co grades in these zones average about 0.07%. The depth potential remains largely untested. Goodwin Lake: the best reported intersection is 0.53% Cu, 0.88% Ni and 0.12 % Co over 2.1 m.



Caledonia Zone

PGE Deposits

Host Rocks: Late Neoproterozoic, layered, ultramafic to mafic intrusions emplaced in a coeval volcanic pile.

Tectonic Setting: Bimodal magmatism associated with an extensional event within older arc rocks of the Caledonia Zone.

Genetic Model: PGE-bearing, sulphide-rich liquids formed as a result of sulphur saturation during normal fractional crystallization.

Ore Controls/Guides to Exploration: (1) PGE-bearing assemblages segregated in favourable ultramafic layers within the rhythmically layered intrusion. (2) Layers exhibiting large amounts of phlogopitic alteration, especially those with cumulus phases.

Examples: Mechanic Settlement: grab samples with up to 1.07 g/t Pt, 4.6 g/t Pd and 0.02 g/t Au; a channel sample yielded 1.3 g/t combined Pt+Pd over 3 m with highest values of 4.7 g/t over 1 m.

Ti, P Deposits

Host Rocks: Neoproterozoic or younger anorthosites spatially associated with Early Devonian granitoids.

Tectonic Setting: Little is known about the host or country rocks because the only deposit discovered to date is unconformably overlain by Carboniferous rocks.

Genetic Model: Segregation of oxide-rich, Ti- and P-rich ferrogabbroic phases by density settling and/or immiscibility, following differentiation from a mafic magma. Interstitial ilmenite and apatite crystallized in these differentiates and in residual anorthosites.

Ore Controls/Guides to Exploration: (1) Aeromagnetic and gravity surveys. (2) Unconformities with mineralized zones of saprolitic weathering or Carboniferous cover rocks containing ilmenite-bearing pebbles.

Examples: At Lower Coverdale, one hole intersected several mineralized zones (e.g., 7.4% TiO₂ over 127.4 m and narrower, higher-grade intervals). Another intersected a wide zone (24.7 m) with high Ti and P values, and highest-grade sections ranging from 14.92% to 23.95% TiO₂ and 8.66% to 12.30% P₂O₅.

M.J. McLeod & S.R. McCutcheon, 1998

Additional information: New Brunswick mineral occurrence/deposit database

New Brunswick
Nouveau Brunswick

Gîtes de nickel-cobalt-cuivre, de platinoïdes et de titane



Secteurs de prospection dans :

Les zones de Miramichi et de St. Croix

Gîtes de Ni, de Co et de Cu

Roches hôtes : Intrusions, de mafiques à ultramafiques, stratifiées, du Dévonien inférieur à l'intérieur de roches métasédimentaires riches en sulfures de l'Ordovicien.

Cadre tectonique : Magmas d'origine profonde à l'intérieur des cadres environnants, suivant l'orogénèse acadienne.

Modèle génétique : La contamination de magma relativement primitif par des roches métasédimentaires (dont de l'exhalite) riches en sulfures ou par un magma siliceux, a provoqué une saturation du soufre et une sédimentation de sulfures à l'intérieur des roches hôtes ultramafiques.

Facteurs de minéralisation / Guides de recherche :

1) Les zones les plus importantes (massives) semblent avoir fait l'objet d'une remobilisation et elles sont associées à des roches noritiques ou dioritiques. 2) Proximité avec des zones de contact, des xénolithes ou des pendants métasédimentaires riches en sulfures. 3) Couches ou zones ultramafiques de silicates en cumulus en profondeur.

Exemples : St. Stephen – La zone de Rogers Farm abrite environ 400 000 t d'une teneur moyenne de 1,0 % de Ni, 0,4 % de Cu et 0,05 à 0,15 % de Co. Le meilleur recoupement dans la zone C affiche 2,98 % de Ni, 0,93 % de Cu et 0,1 % de Co sur 5,5 m; dans la zone de Hall-Carroll, on a relevé 0,91 % de Ni et 0,79 % de Cu sur 24,1 m. Les teneurs globales en Co dans ces zones atteignent en moyenne 0,07 %. Le potentiel en profondeur demeure inconnu dans une grande mesure. Lac Goodwin – Le meilleur recoupement signalé a donné 0,53 % de Cu, 0,88 % de Ni et 0,12 % de Co sur 2,1 m.



La zone Calédonienne

Gîtes de platinoïdes

Roches hôtes : Intrusions, de mafiques à ultramafiques, stratifiées, du Néo-Protérozoïque supérieur à l'intérieur d'une structure volcanique contemporaine.

Cadre tectonique : Magmatisme bimodal associé à un phénomène d'extension à l'intérieur de roches d'un arc plus ancien de la zone Calédonienne.

Modèle génétique : Des liquides riches en sulfures renfermant des platinoïdes se sont formés à la suite d'une saturation du soufre pendant une cristallisation fractionnée normale.

Facteurs de minéralisation / Guides de recherche : 1) Assemblages renfermant des platinoïdes qui se sont cristallisés dans des couches ultramafiques favorables à l'intérieur de l'intrusion stratifiée de façon rythmée. 2) Couches présentant des quantités substantielles d'altérations phlogopitiques, et plus particulièrement celles comportant des phases de cumulus.

Exemples : Mechanic Settlement – Échantillons pris au hasard renfermant jusqu'à 1,07 g/t de Pt, 4,6 g/t de Pd et 0,02 g/t d'Au. Un échantillon en rainure renfermait 1,3 g/t de Pt et Pd combinés sur 3 m, avec des valeurs maximales de 4,7 g/t sur 1 m.

Gîtes de Ti et de P

Roches hôtes : Anorthosites du Néo-Protérozoïque ou plus récentes, spatialement associées à des granitoïdes du Dévonien inférieur.

Cadre tectonique : On connaît peu de choses au sujet des roches hôtes ou encaissantes parce que le seul gîte découvert jusqu'à présent est recouvert de façon discordante par des roches du Carbonifère.

Modèle génétique : Ségrégation de phases ferrogabbroïques riches en oxydes, en Ti et en P par immiscibilité ou sédimentation volumique à la suite d'une différenciation du magma mafique. De l'ilménite et de l'apatite interstitielles se sont cristallisées dans ces zones de différenciation et dans des anorthosites résiduelles.

Facteurs de minéralisation / Guides de recherche :

1) Levés gravimétriques et aéromagnétiques. 2) Discordances avec des zones minéralisées d'altération atmosphérique saprolithique ou des roches-couvertures du Carbonifère contenant des galets qui renferment de l'ilménite.

Exemples : À Lower Coverdale, un trou de sondage a entrecoupé plusieurs zones minéralisées (p. ex. 7,4 % de TiO_2 sur 127,4 m, de même que des intervalles plus courts à teneur plus riche). Un autre a entrecoupé une zone étendue (24,7 m) affichant des valeurs élevées de Ti et de P, ainsi que les sections aux teneurs les plus élevées, dont les valeurs varient entre 14,92 % et 23,95 % de TiO_2 et entre 8,66 % et 12,30 % de P_2O_5 .

M. J. McLeod et S. R. McCutcheon, 1998

Renseignements supplémentaires :

Base de données sur les venues et gîtes minéraux du Nouveau-Brunswick

New Brunswick
Nouveau Brunswick

-1/2/11/12

New Brunswick's Epigenetic Gold and Antimony Deposits



Exploration Areas in:

Tobique-Chaleur and Elmtree Zones

Gold-Bearing Vein, and Breccia Deposits

Host Rocks: Ordovician gabbro and associated sedimentary rocks; Siluro-Devonian mafic to intermediate intrusions and associated sedimentary rocks

Tectonic Setting: Siluro-Devonian transpressive shear zones proximal to terrane boundaries

Genetic Model: Auriferous CO₂-rich fluids, derived from mafic magmas and/or scavenged from the lower crust during metamorphic dehydration reactions, were released in dilatant structures at various levels in the crust

Ore Controls/Guides to Exploration: Transpressive shear zones, breccia zones, mafic to intermediate intrusions, Fe-carbonate alteration, silicification, arsenopyrite

Examples: Elmtree: 6.0 g/t Au over 11 m; Rocky Brook: 5.7 g/t Au over 0.3 m; Madran: 2.2-8.0 g/t Au over 0.9-3.0 m

Miramichi Zone

Gold-Bearing Vein, and Porphyry Stock Deposits

Host Rocks: Early Ordovician granodiorite and associated sedimentary rocks

Tectonic Setting: Siluro-Devonian transpressive shear zones proximal to terrane boundaries

Genetic Model: Auriferous CO₂-rich fluids, derived from mafic magmas and/or scavenged from the lower crust during metamorphic dehydration reactions, were released in dilatant structures at various levels in the crust

Ore Controls/Guides to Exploration: Dilatant structures associated with transpressive shear zones

Example: Britton Mine: 4.9 g/t Au and 130 g/t Ag from grab samples

Fredericton Zone

Gold-Bearing Skarn Deposits

Host Rocks: Skarn near Siluro-Devonian batholith

Tectonic Setting: Siluro-Devonian transpressive shear zones proximal to terrane boundaries

Genetic Model: Auriferous CO₂-rich fluids, derived from mafic magmas and/or scavenged from the lower crust during metamorphic dehydration reactions, were released in dilatant structures at various levels in the crust

Ore Controls/Guides to Exploration: Silicified stockwork zones in skarn

Example: Lake George antimony mine: 18.5 g/t Au over 0.8 m and 7.5 g/t Au over 2.1 m

St. Croix Zone

Gold-Bearing Vein, and Porphyry Stock Deposits

Host Rocks: Ordovician/Silurian sedimentary and/or mafic volcanic rocks

Tectonic Setting: Siluro-Devonian transpressive shear zones proximal to terrane boundaries

Genetic Model: Auriferous CO₂-rich fluids, derived from mafic magmas and/or scavenged from the lower crust during metamorphic dehydration reactions, were released in dilatant structures at various levels in the crust

Ore Controls/Guides to Exploration: Transpressive shear zones, silicification, carbonate and locally chrome-mica alteration, felsic porphyry

Examples: Annidale: 3.1 g/t Au over 1.7 m; Norton area (new discovery): up to 193.4 g/t Au over 2 m; Jimmy Hill: 9.5 g/t Au over 0.7 m; Evandale: 7.2-16.1 g/t Au over 0.15-0.5 m

Caledonia Zone

Gold-Bearing Vein Deposits

Host Rocks: Cambrian or younger sedimentary rocks and Late Precambrian granite

Tectonic Setting: Late Carboniferous thrust zone proximal to terrane boundary

Genetic Model: Auriferous CO₂-rich fluids, derived from the lower crust during metamorphic dehydration reactions, were released in dilatant structures at various levels in the crust

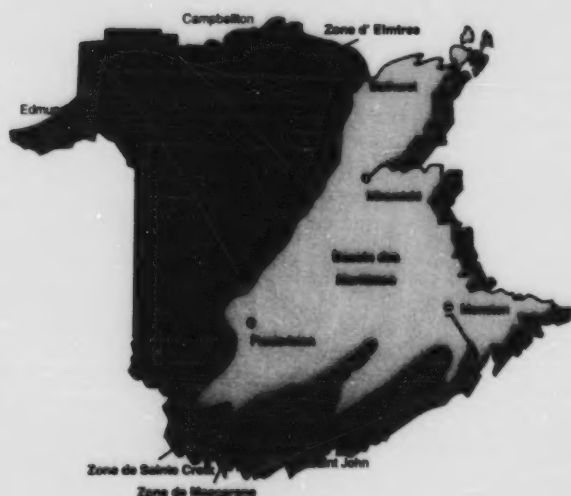
Ore Controls/Guide to Exploration: Dilatant structures associated with thrusts, silicification and illite alteration

Example: Cape Spencer: 606 790 t averaging 3.3 g/t Au, 249 470 t averaging 2.3 g/t Au and 330 000 t averaging 8.9 g/t Au

A.A. Ruitenberg & S.R. McCutcheon, 1994

Additional information: New Brunswick's mineral occurrence/deposit database

Gîtes d'or et d'antimoine épigénétique du Nouveau-Brunswick



Régions d'exploration :



Zones de Tobique-Chaleur et d'Elmtree

Filon aurifère et gîtes bréchiques

Roches bôtes : Gabbro et roches sédimentaires associées de l'Ordovicien; intrusions mafiques à intermédiaires et roches sédimentaires associées siluro-dévonniennes

Cadre tectonique : Zones de cisaillement transpressif siluro-dévonniennes proches des limites des formations géologiques

Modèle génétique : Des fluides aurifères riches en CO_2 , dérivés de magmas mafiques ou refoulés de la croûte inférieure pendant des réactions de déshydratation métamorphique, ont été libérés dans des structures dilatatrices à divers niveaux de la croûte.

Facteurs de minéralisation / Guide d'exploration : Zones de cisaillement transpressif; zones de brèches; intrusions mafiques à intermédiaires; altération de Fe-carbonate; silicification; arsénopyrite

Exemples : Elmtree : 6,0 g/t d'Au, au-delà de 11 m; Rocky Brook : 5,7 g/t d'Au, au-delà de 0,3 m; Madran : 2,2-8,0 g/t d'Au, au-delà de 0,9 à 3,0 m



Zone de Miramichi

Filons aurifères et petits massifs intrusifs porphyriques

Roches bôtes : Granodiorite et roches sédimentaires associées de l'Ordovicien inférieur

Cadre tectonique : Zones de cisaillement transpressif siluro-dévonniennes proches des limites des formations géologiques

Modèle génétique : Des fluides aurifères riches en CO_2 , dérivés de magmas mafiques ou refoulés de la croûte inférieure pendant des réactions de déshydratation métamorphique, ont été libérés dans des structures dilatatrices à divers niveaux de la croûte.

Facteurs de minéralisation / Guide d'exploration : Structures dilatatrices associées à des zones de cisaillement transpressif

Exemple : Mine Britton : 4,9 g/t d'Au, et 130 g/t d'Ag, dans des échantillons prélevés au hasard



Zone de Fredericton

Gîtes de skarn aurifères

Roches bôtes : Skarn proche de batholite siluro-dévonien

Cadre tectonique : Zones de cisaillement transpressif siluro-dévonniennes proches des limites des formations géologiques

Modèle génétique : Des fluides aurifères riches en CO_2 , dérivés de magmas mafiques ou refoulés de la croûte inférieure pendant des réactions de déshydratation métamorphique, ont été libérés dans des structures dilatatrices à divers niveaux de la croûte.

Facteurs de minéralisation / Guide d'exploration : Zones de stockwerks silicifiés dans le skarn

Exemple : Mine d'antimoine du lac George : 18,5 g/t Au, au-delà de 0,8 m, et 7,5 g/t Au, au-delà de 2,1 m



Zone de Sainte-Croix

Filon aurifère et gîtes de petits massifs intrusifs porphyriques

Roches bôtes : Roches sédimentaires ou mafiques volcaniques ordoviciennes/siluriennes

Cadre tectonique : Zones de cisaillement transpressif siluro-dévonniennes proches des limites des formations géologiques

Modèle génétique : Des fluides aurifères riches en CO_2 , dérivés de magmas mafiques ou refoulés de la croûte inférieure pendant des réactions de déshydratation métamorphique, ont été libérés dans des structures dilatatrices à divers niveaux de la croûte.

Facteurs de minéralisation / Guide d'exploration : Zones de cisaillement transpressif; silicification; altération locale de carbonate et de chrome-mica; porphyre felsique

Exemples : Annidale : 3,1 g/t d'Au au-delà de 1,7 m; région de Norton (nouvelle découverte) : jusqu'à 193,4 g/t d'Au, sur 2 m; Jimmy Hill : 9,5 g/t d'Au, sur 0,7 m; Evandale : 7,2 à 16,1 g/t d'Au, sur 0,15 à 0,5 m



Zone Calédonienne

Gîtes filoniens aurifères

Roches bôtes : Roches sédimentaires cambriennes ou plus jeunes et granit du Précambrien supérieur

Cadre tectonique : Zone de poussée du Carbonifère supérieur proche des limites des formations géologiques

Modèle génétique : Des fluides aurifères riches en CO_2 , dérivés de magmas mafiques ou refoulés de la croûte inférieure pendant des réactions de déshydratation métamorphique, ont été libérés dans des structures dilatatrices à divers niveaux de la croûte.

Facteurs de minéralisation / Guide d'exploration : Structures dilatatrices associées à des poussées; silicification; et altération d'illites

Exemple : Cape Spencer : 606 790 t renfermant en moyenne 3,3 g/t d'Au; 249 470 t contenant en moyenne 2,3 g/t d'Au; et 330 000 t renfermant en moyenne 8,9 g/t d'Au

A.A. Ruitenberg et S.R. McCutcheon, 1994

Renseignements supplémentaires : base de données des indices/gîtes minéraux du Nouveau-Brunswick

Geological Zonation of New Brunswick



Zonalité géologique du Nouveau-Brunswick

See reverse for details / Voir les détails au verso

Bedrock Geology of New Brunswick

The Appalachian Orogen of New Brunswick is divided into a number of northeast-trending tectonostratigraphic zones recognized on the basis of their unique stratigraphy and deformational history.

The **Caledonia Zone** is underlain by a Middle Proterozoic quartzite-carbonate sequence and a succession of Late Proterozoic volcanic and associated intrusive rocks. A Cambrian to Early Ordovician platformal sequence containing a distinctive Acado-Baltic trilobite fauna unconformably overlies the Precambrian rocks. The Caledonia Zone is generally considered to represent a fragment rifted from the continental margin of Gondwana during opening of the Early Paleozoic Iapetus Ocean.

The **St. Croix**, **Miramichi**, and **Elmtree Zones** contain volcanic assemblages with supra-subduction-zone chemical signatures. The St. Croix Zone is characterized by Late Cambrian to Early Ordovician volcanic rocks and Early to Middle Ordovician shales and wackes. The Miramichi Zone comprises Early to Middle Ordovician volcanic rocks built upon a thick substratum of Cambrian turbidites. The Elmtree Zone is underlain by a Middle Ordovician ophiolitic suite. The arc and back-arc terranes represented by the St. Croix, Miramichi, and Elmtree zones were accreted to the Gondwanan continental margin during contraction of the Iapetus Ocean in Late Ordovician to Silurian time.

The **Fredericton** and **Restigouche Zones** contain thick successions of calcareous and siliciclastic turbidites ranging from Late Ordovician to Early Devonian in age. These deep-marine sedimentary sequences were likely deposited in foredeep basins developed in front of rising nappes during closure of the Iapetus Ocean and subsequent collision of the Gondwanan (combined Africa and South America) and Laurentian (North America) continental margins.

The **Mascarene** and **Tobique-Chaleur Zones** are underlain by Silurian to Early Devonian volcanic rocks interbedded with shallow-marine to fluvial sedimentary rocks. The volcanic rocks possess intraplate chemical signatures and were probably erupted in transcurrent basins formed as a result of oblique continental convergence. Thickening of continental crust generated bimodal batholithic suites that were emplaced between the Late Silurian and Middle Devonian.

The **Maritimes Basin** includes Late Devonian to Carboniferous fluvial conglomerate and sandstone sequences, shallow-marine limestone and evaporites, lacustrine oil shales, and subaerial volcanic rocks. These rocks were deposited in a successor basin within the uplifted Appalachian Orogen and are undeformed except along fault zones in southern New Brunswick.

L.R. Fyffe, 1994

Géologie du substrat rocheux du Nouveau-Brunswick

L'orogène des Appalaches du Nouveau-Brunswick est divisé en un certain nombre de zones tectonostratigraphiques orientées vers le nord-est et reconnues de par leur stratigraphie et de leurs déformations uniques.

La **Zone Calédonienne** repose sur une paragenèse de quartzite-carbonate du Protérozoïque moyen et sur une succession de roches volcaniques du Protérozoïque supérieur et de roches intrusives associées. Une séquence de plates-formes du Cambrien à l'Ordovicien inférieur renfermant une faune distinctive de trilobites acado-baltiques recouvre de façon discordante les roches précambriennes. On estime en général que la zone calédonienne représente un fragment de la marge continentale du Gondwana détaché lors de la naissance de l'océan Japet au Paléozoïque inférieur.

Les **Zones de Sainte-Croix**, de **Miramichi**, et de **Elmtree** renferment des assemblages volcaniques avec marques d'action chimique de zones de supra-subduction. La zone de Sainte-Croix est caractérisée par des roches volcaniques du Cambrien supérieur à l'Ordovicien inférieur et par des schistes et des wackes de l'Ordovicien inférieur à moyen. La zone de Miramichi comprend des roches volcaniques de l'Ordovicien inférieur à moyen érigées sur un épais substrat de turbidites cambriennes. La zone d'Elmtree repose sur un cortège ophiolitique de l'Ordovicien moyen. Les formations géologiques en arc et arrière-arc représentées par les zones de Sainte-Croix, de Miramichi, et d'Elmtree ont été accrétées à la marge continentale du Gondwana au cours de la contraction de l'océan Japet pendant la période de l'Ordovicien inférieur au Silurien.

Les **Zones de Fredericton** et de **Restigouche** renferment d'épaisses successions de turbidites calcaires et silicoclastiques s'étendant de l'Ordovicien supérieur au Dévonien inférieur. Ces paragenèses sédimentaires marines profondes ont été vraisemblablement déposées dans des avant-fosses formées à l'avant de nappes montantes pendant la fermeture de l'océan Japet et la collision ultérieure des marges continentales du Gondwana (Afrique et Amérique du Sud combinées) et de la région laurentienne (Amérique du Nord).

Les **Zones de Mascarene** et de **Tobique-Chaleur** reposent sur des roches volcaniques du Silurien au Dévonien inférieur interstratifiées de roches sédimentaires marines peu profondes à fluviales. Les roches volcaniques présentent des marques d'action chimique d'intraplaques; elles ont probablement été rejetées par des volcans dans des bassins de décrochement formés à la suite d'une convergence continentale oblique. L'épaississement de la croûte continentale a engendré des successions batholitiques bimodales apparues entre le Silurien supérieur et le Dévonien moyen.

Le **Bassin des Maritimes** comprend des séquences de conglomérats et de grès fluviaux, des calcaires et des évaporites marins peu profonds, des schistes bitumineux lacustres et des roches volcaniques subaériennes du Dévonien supérieur au Carbonifère. Ces roches ont été déposées dans un bassin successeur à l'intérieur de l'orogène des Appalaches soulevé, et elles ne sont pas déformées, sauf le long des zones de failles dans le sud du Nouveau-Brunswick.

L.R. Fyffe, 1994

STRATABOUND MASSIVE SULPHIDE DEPOSITS

**Property 1: Cheaver Lakes
(Zn)**

LOCATION: Victoria County, Plaster Rock area of New Brunswick

NTS: 21 O/2W (1:20 000 sheet 21 O/2c)

OWNER'S NAME AND ADDRESS: Earnest A. Brooks, 1235 Johnson Avenue, Bathurst, NB
E2A 3T4

PROPERTY DESCRIPTION: Four contiguous claims (group 2215). Work performed in 1994. Work submitted since acquiring the claim group is in excess of \$40 000 with residuals to keep currently in good standing for several years. Has assessment credits for 10 more years.

MAIN MINERAL/ELEMENT: Sphalerite

SECONDARY MINERALS/ELEMENTS: Galena, chalcopyrite

NATURE OF MINERALIZATION: Remobilized and residual lead and zinc mineralization as well as a VMS potential within or upon, Cambrian-Ordovician sedimentary and volcanic rocks. Drilling in the 1950s indicated native silver in the core.

EXPLORATION HISTORY: Worked in the late 1970s by Canadian Occidental Petroleum. This group is on the fringe of their work and was outside of their drilling area. NovaGold holds a claim group on the east boundary of this group. Staked after the original owners found highly (up to 17 000 ppm) anomalous Zn in stream sediment samples.

RECOMMENDED WORK: Re-establish several key lines from the 1994 line system and drill two holes on Max-Min and VLF targets associated with soil geochemical anomalies. Suspect the possibility of exotic Zn-rich minerals that may not have been identified in the past (e.g., need a UV light to see willemite). The core cannot be found and the drill-hole logs are unavailable. Personal communication with geologist suggests very little assaying was done and, therefore, additional work needs to be done.

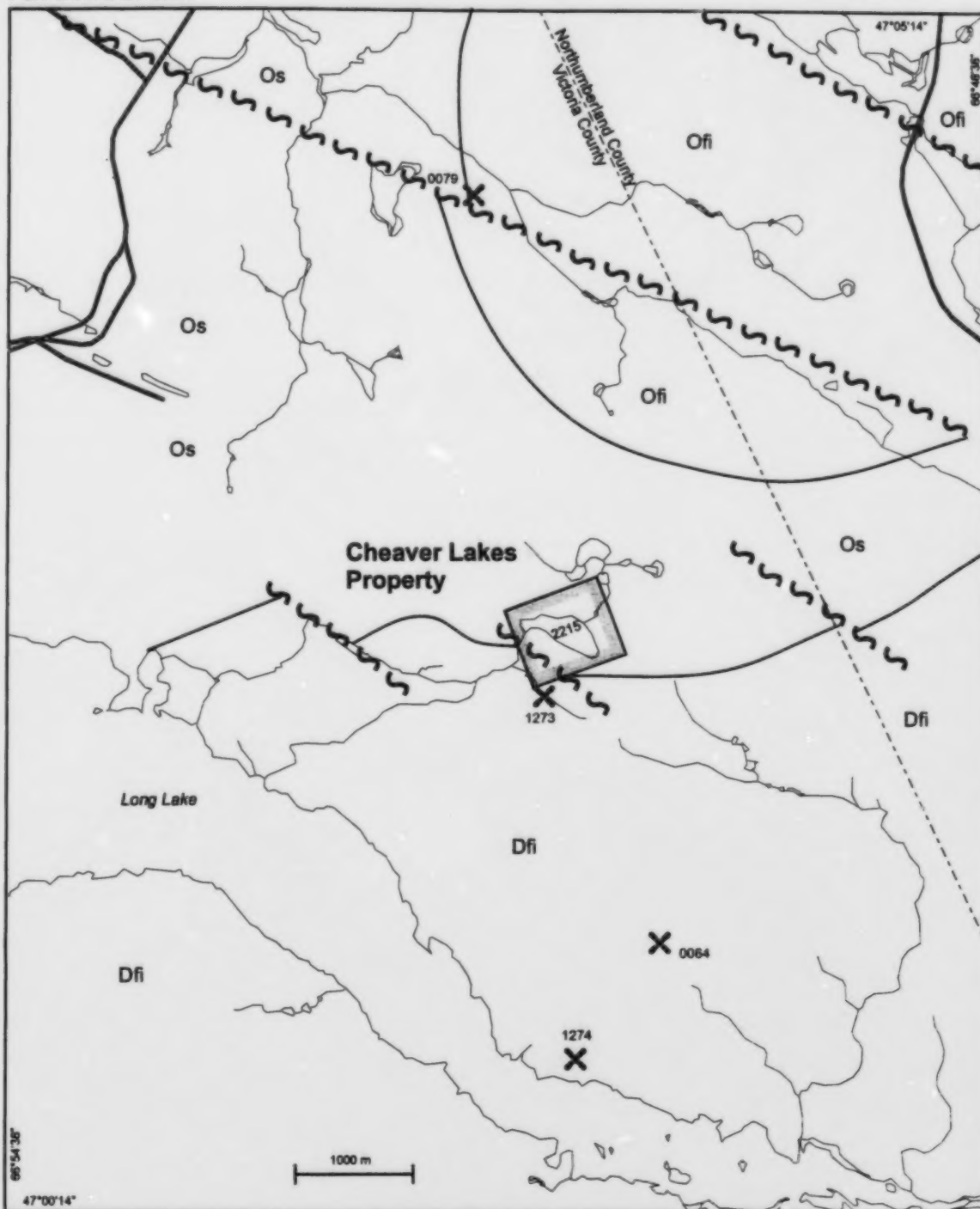
CONTACT PERSON: Earnest A. Brooks

PARTNER: T.G. Mersereau

PHONE No.: 506-548-2156, T.G. Mersereau 506-548-2592

FAX No.: 506-548-2156 or 506-548-4684

E-MAIL ADDRESS: eabrooks@nbnet.nb.ca



- Dfi Devonian felsic intrusive rocks
- Ofi Ordovician intrusive rocks
- Os Ordovician sedimentary
- X Mineral occurrence with Unique Record Number

**Property 2: Digdeguash
(Au, Cu, Zn, precious metals)**

LOCATION: 25 km east of St. Stephen and 67 km west of Saint John, Charlotte County, NB

NTS: 21 G/2W (1:20 000 sheet 21 G/2e)

OWNER'S NAME AND ADDRESS: Peter Fenety, 94 Queen Street, St. Andrews, NB E5B 1C6

PROPERTY DESCRIPTION: Five claims (group 3099) currently in good standing until 26 August, 2001.

MAIN MINERAL/ELEMENT: Gold, copper, zinc, precious metals

SECONDARY MINERALS/ELEMENTS: Cobalt, tin

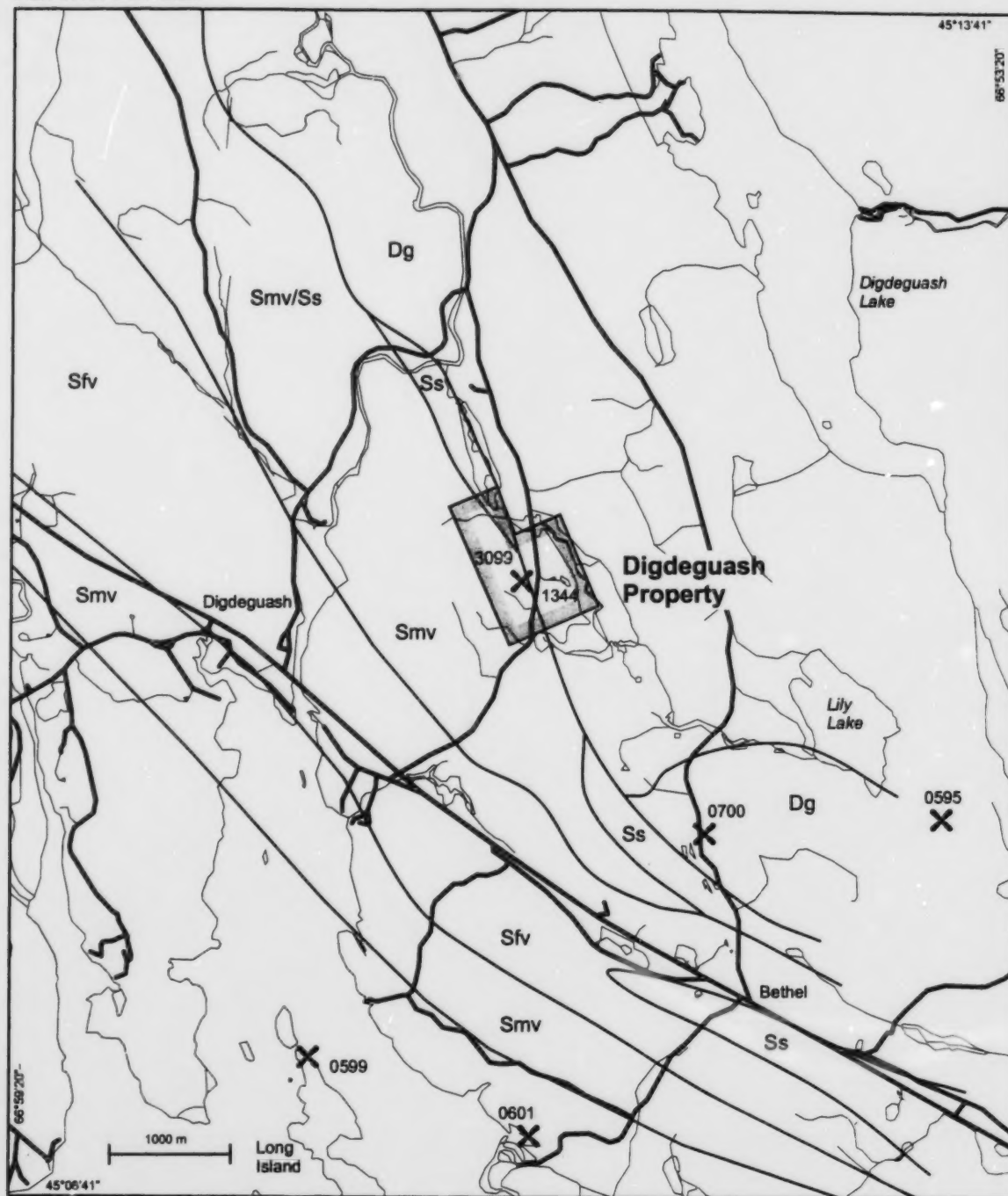
NATURE OF MINERALIZATION: Semi-massive to massive sulphides in a bimodal volcanic suite of rift origin. Sulphides are predominantly pyrrhotite with lesser amounts of chalcopyrite and sphalerite.

EXPLORATION HISTORY: Recent discovery – no previous work. GSC stream silt geochemistry survey gave 120 ppb Au. Prospecting, soil geochemical, and magnetic surveys have been carried out. Zinc to 0.4% and copper to 0.2% have been found. In 2000, a gold in soils geochemical anomaly has been located to the north of the pit, with values to 25 ppb.

RECOMMENDED WORK: Continued magnetic surveys, mapping, trenching, and drilling.

CONTACT PERSON: P. Fenety
PHONE No.: 506-529-1084
FAX No.: 506-529-3652

PARTNERS: Dave Stevens
Bill Gardiner
E-MAIL ADDRESS: geolcons@nb.sympatico.ca



- | | |
|-----|--|
| Dg | Devonian granite |
| Dm | Devonian gabbro |
| Ss | Silurian sediments |
| Sfv | Silurian felsic volcanics |
| Smv | Silurian mafic volcanics |
| X | Mineral occurrence with Unique Record Number |

**Property 3: Gold
(Cu, Pb, Zn)**

LOCATION: Bathurst Mining District.

NTS: 21 O/8W (1:20 000 sheet 21 O/8e)

OWNER'S NAME AND ADDRESS: Don Black, 240 Lakeside Avenue, Bathurst, NB E2A 2S7

PROPERTY DESCRIPTION: Fifteen claims (group 2541) currently in good standing until 19 August, 2001.

MAIN MINERAL/ELEMENT: Copper, lead, zinc

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION:

EXPLORATION HISTORY:

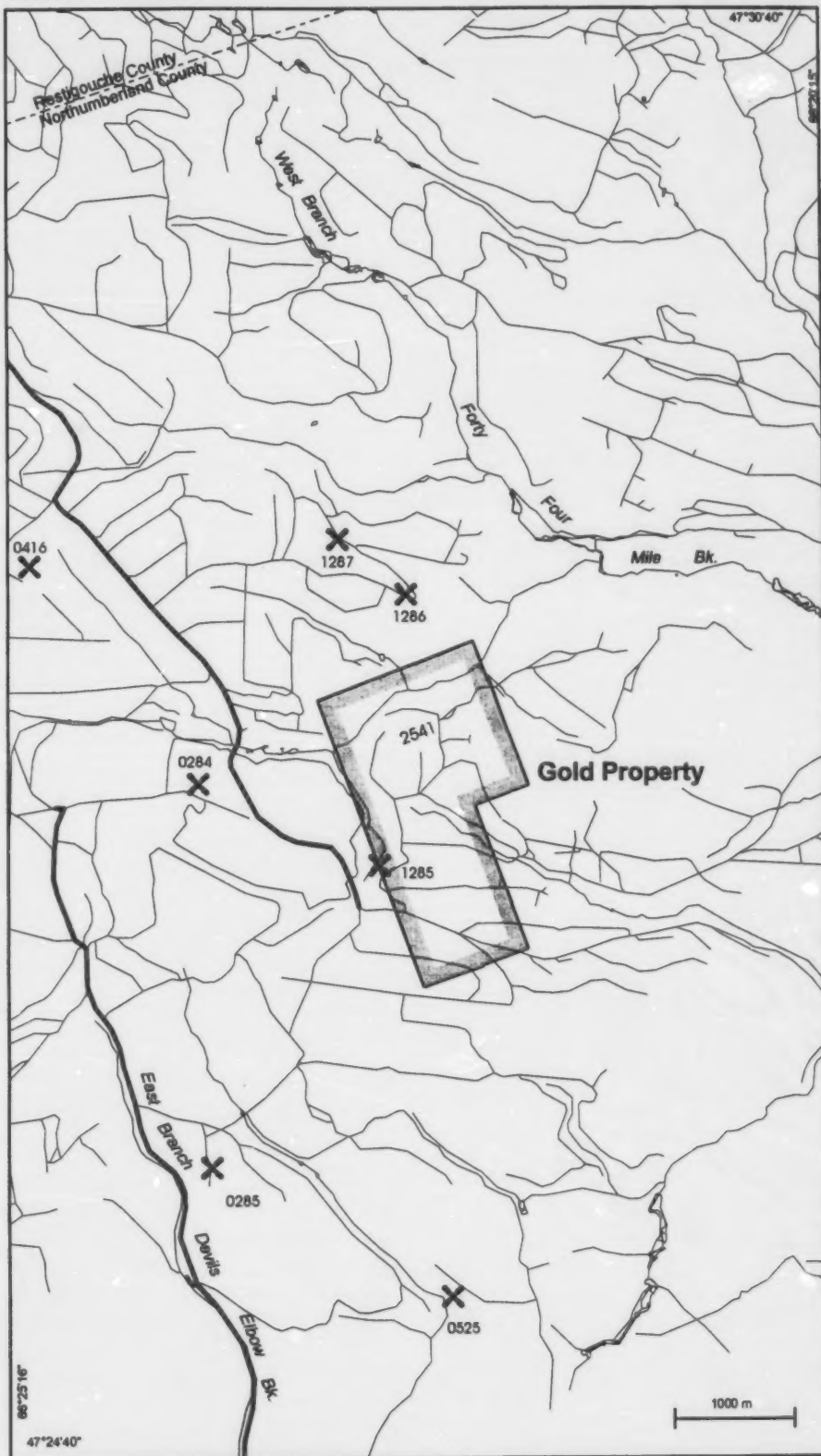
RECOMMENDED WORK:

CONTACT PERSON: Don Black
PHONE No.: 506-546-2666
FAX No.:

PARTNER:

E-MAIL ADDRESS:

Part of NTS 21 O/8e



**Property 4: Quattro
(Cu, Pb, Zn, Ag, Au)**

LOCATION: 44 Mile Brook, northern NB

NTS: 21 O/8W, 21 O/9W (1:20 000 sheets 21 O/8f, 21 O/9c)

OWNER'S NAME AND ADDRESS: Donald Black, Claude Willett, Thomas Jamieson, Peter
Jamieson – 240 Lakeside Avenue, Bathurst, NB E2A 2S7

PROPERTY DESCRIPTION: Four claims (group 2359), currently in good standing until 15
December, 2001.

MAIN MINERAL/ELEMENT: Copper, lead, zinc, silver, gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Sulphides

EXPLORATION HISTORY: Inmet Mining Corp., prospecting, claim group inspection, diamond
drilling downhole pulse EM. 1996-97 report by Inmet available upon request.

RECOMMENDED WORK: More work on upper contacts of the two quartz-feldspar porphyries
in proximity to large sedimentary horizon in the Nepisiguit Falls Formation (Brunswick Horizon).
Further trenching and drilling should be undertaken to find the source of large alteration zones.

CONTACT PERSON: Donald Black
PHONE No.: 506-546-2666
FAX No.:

PARTNER: C.A. Willett, P. Jamieson,
T. Jamieson
E-MAIL ADDRESS:

Of Ordovician crystal tuff
X Mineral occurrence with Unique Record Number

**Property 5: Upsalquitch Forks
(Zn, Pb, Cu)**

LOCATION: Approximately 70 km west of Bathurst, NB

NTS: 21 O/10E (1:20 000 sheet 21 O/10g)

OWNER'S NAME AND ADDRESS Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Sixty-four claims (groups 3144 and 3205 currently in good standing until 9 December 2000 and 30 April 2001, respectively) held on behalf of Fancamp Resources Ltd. Work required by 2001. Need funding for drilling.

MAIN MINERAL/ELEMENT: Zinc, lead, copper

SECONDARY MINERALS/ELEMENTS: Gold, silver

NATURE OF MINERALIZATION: Model: Sulphide volcanic vent / stockwork similar to Sewell Brook / Shingle Gulch area in Devonian rhyolites and associated sedimentary rocks.

EXPLORATION HISTORY: In 1969, a hand trench was dug, and a small soil grid was prepared. Soil samples contain up to 7000 ppm lead over altered Devonian rhyolites similar to Chapleau Resources Limited's Shingle Gulch. The stream sediments draining the surrounding area are highly anomalous in zinc. High-grade base-metal vein deposits and/or disseminated porphyry deposits could exist on the property. Recent work included IP, trenching, and soils. Soil samples contain up to 3 ounces of silver.

RECOMMENDED WORK: Prospecting, geology, VLF-EM, Mag, drilling/trenching.

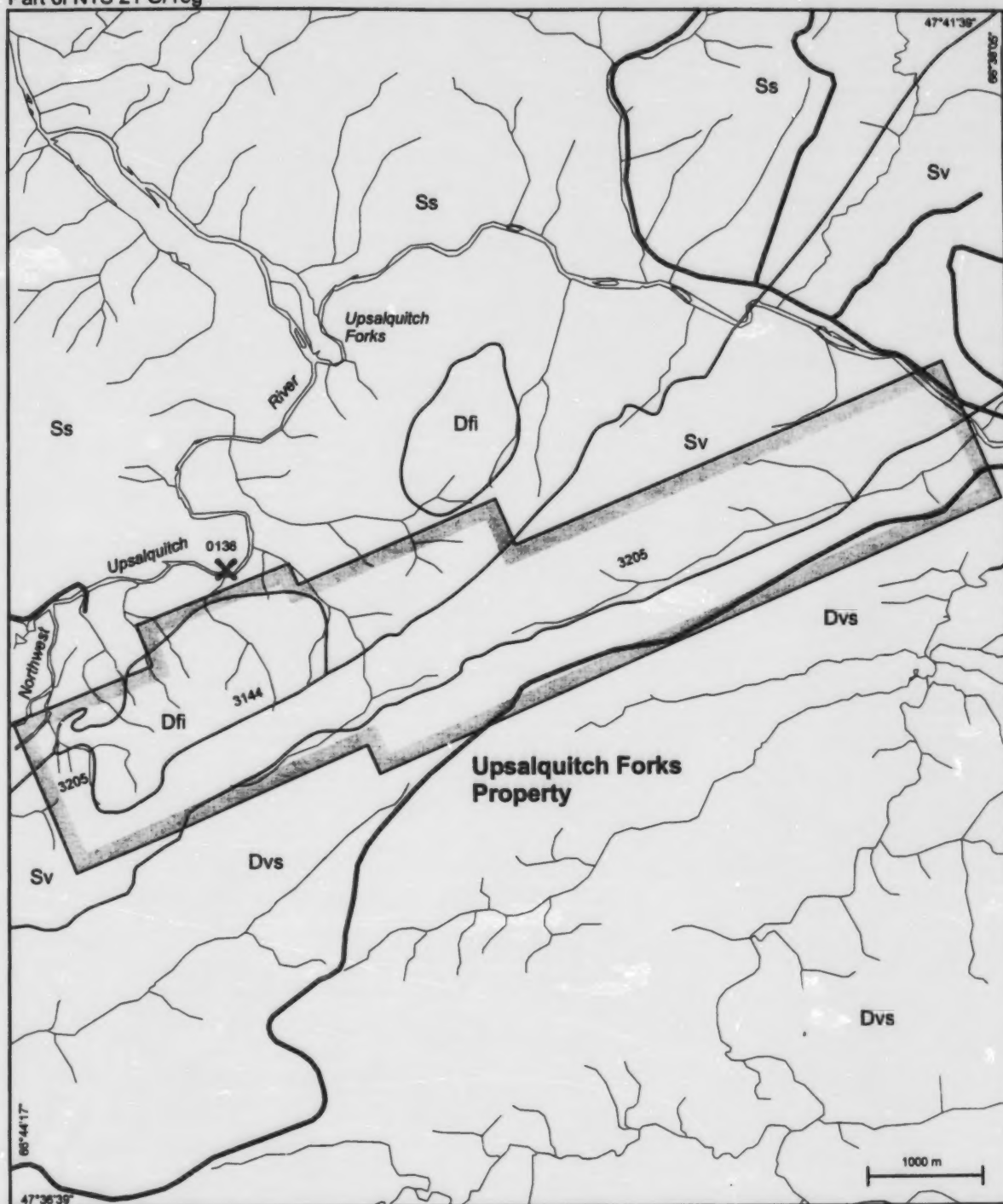
CONTACT PERSON: Ken Whaley

PARTNER:

PHONE No.: 506-363-5513

FAX No.: 506-363-4524

E-MAIL ADDRESS:



- Dfi . Devonian felsic intrusive rocks
- Dvs . Devonian volcanic and sedimentary rocks
- Sv . Silurian volcanic rocks
- Ss . Silurian sedimentary rocks
- X . Mineral occurrence with Unique Record Number

NOTES

**Property 6: Flaherty Brook
(Zn, Pb, Ag)**

LOCATION: 2 km west of Stratmat Mine, 50 km southwest of Bathurst

NTS: 21 O/8E (1:20 000 sheet 21 O/8b)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Thirty-three claims (claim group 2850) held on behalf of Mactaquac Mining Ltd. and Fancamp Resources Ltd. currently in good standing until 5 January, 2001.
Possible deal: joint venture.

MAIN MINERAL/ELEMENT: Zinc, lead, silver

SECONDARY MINERALS/ELEMENTS: Copper, gold

NATURE OF MINERALIZATION: The hosting stratigraphy is the Stratmat tuffaceous sedimentary sequence that is sandwiched between acid volcanic rocks and contains both the Stratmat Mine and Stratabound's Taylor Brook deposit. Model: Bathurst Camp volcanogenic stratabound sulphides in Ordovician volcanic rocks.

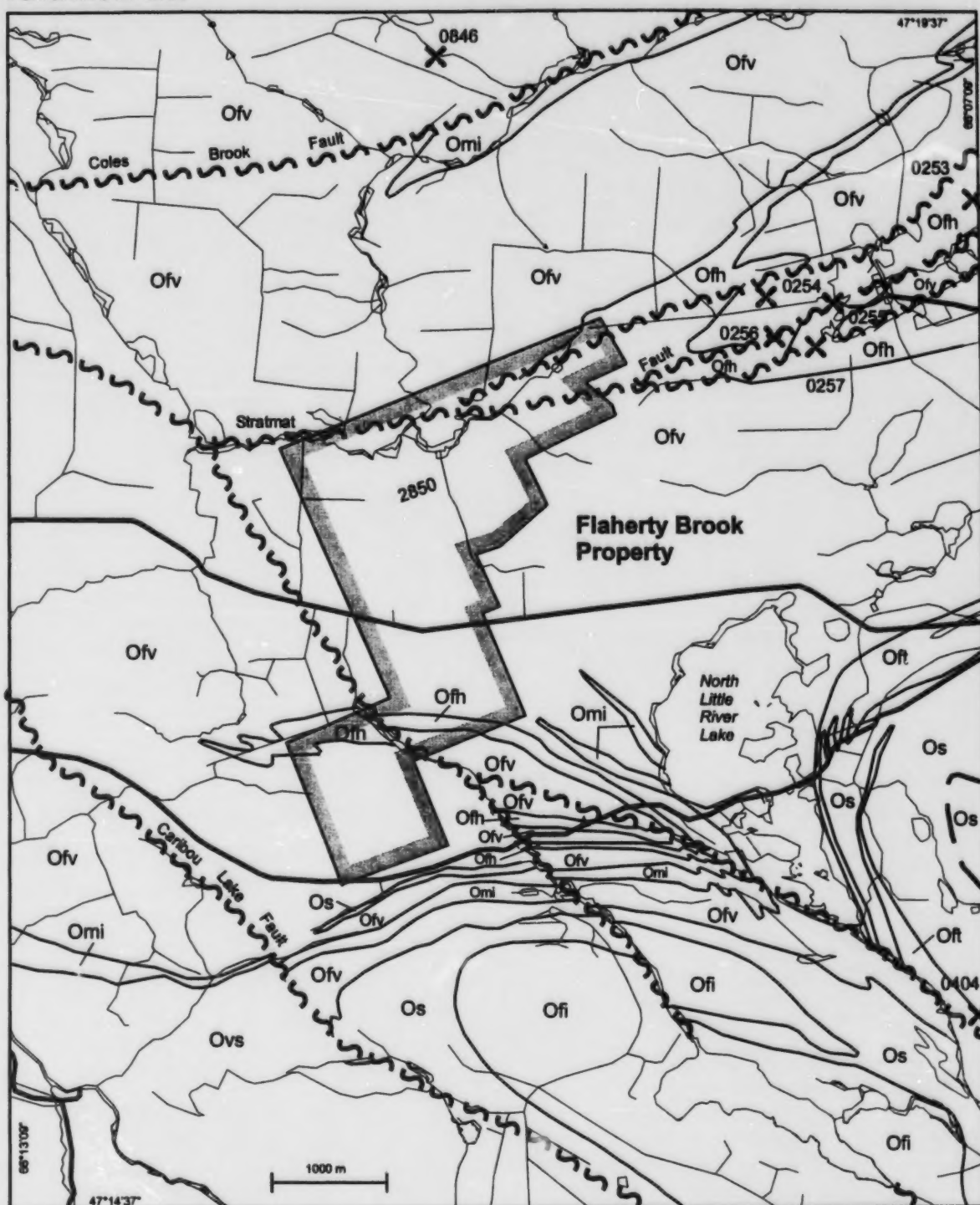
EXPLORATION HISTORY: IP, soil and silt sampling were carried out. Trenching, prospecting, found up to 3000 ppm Pb; drill targets outlined.

RECOMMENDED WORK: Drilling and/or trenching.

CONTACT PERSON: Ken Whaley
PHONE No.: 506-363-5513
FAX No.: 506-363-4524

PARTNER:

E-MAIL ADDRESS:



Omi Ordovician mafic intrusive rocks
 Ofh Ordovician felsic hyaloclastic rocks
 Ofv Ordovician felsic volcanic rocks

Oft Ordovician felsic crystal tuff
 Ofs Ordovician sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 7: Nowlan Lake
(Zn, Pb, Ag)**

LOCATION: 10 km west of Stratmat Mine, 50 km southwest of Bathurst, NB

NTS: 21 O/8 (1:20 000 sheets 21 O/8b, c)

OWNER'S NAME AND ADDRESS Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Seventeen claims (claim group 3527) held on behalf of Mactaquac Mining Ltd. and Fancamp Resources Ltd. currently in good standing until 5 January, 2001. Possible deal: joint venture.

MAIN MINERAL/ELEMENT: Zinc, lead, silver

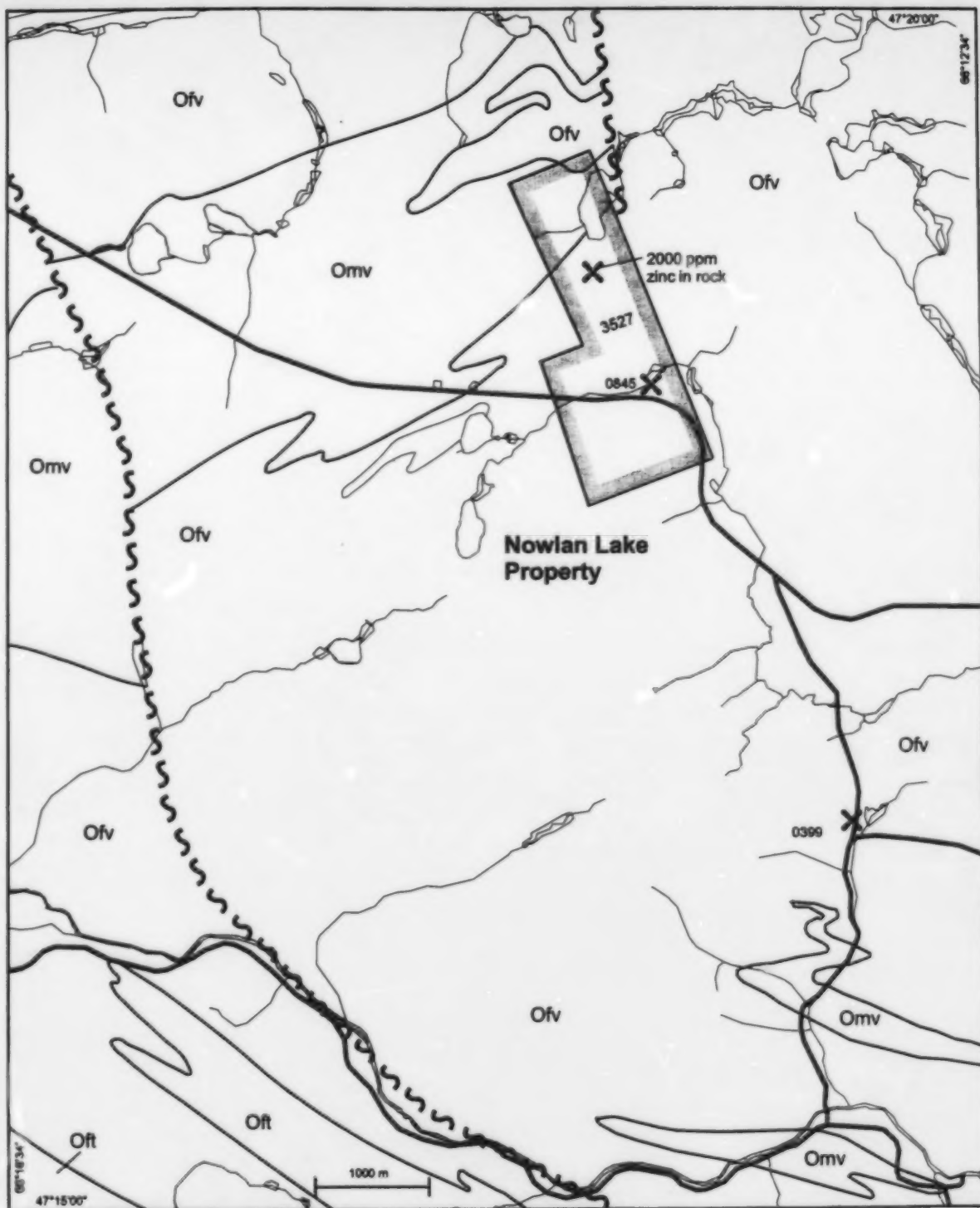
SECONDARY MINERALS/ELEMENTS: Copper, gold

NATURE OF MINERALIZATION: The hosting stratigraphy is the Stratmat tuffaceous sedimentary sequence that is sandwiched between acid volcanic rocks and contains the Stratmat Mine. The lithology is mainly felsic volcanic rocks, minor mafic intrusive dykes or flows, and minor sedimentary beds. Model: Bathurst Camp volcanogenic stratabound sulphides in Ordovician volcanic rocks.

EXPLORATION HISTORY: Several airborne EM conductors, i.e., gradient magnetometer and coincident conductivity anomaly – were outlined by the 1995/96 government survey of the Bathurst Camp. Underlying one EM anomaly is an anomalous silt sample with up to 505 ppm Zn. Soil sampling is currently being carried out.

RECOMMENDED WORK: Geological mapping, prospecting, IP, and gravity surveys, drilling and/or trenching.

CONTACT PERSON: Ken Whaley	PARTNER:
PHONE No.: 506-363-5513	
FAX No.: 506-363-4524	E-MAIL ADDRESS:



Assay provided by K. Whaley

- | | |
|-----|--|
| Omv | Ordovician mafic volcanic rocks |
| Ofv | Ordovician felsic volcanic rocks |
| Oft | Ordovician crystal tuff |
| X | Mineral occurrence with Unique Record Number |

**Property 8: Otter Brook (Whaley)*
(Zn, Pb, Ag)**

LOCATION: 7 km west of Stratmat Mine, 50 km southwest of Bathurst

NTS: 21 O/8E (1:20 000 sheet 21O/8b)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Fifteen claims (group 3526) held on behalf of Mactaquac Mining Ltd. and Fancamp Resources Ltd. currently in good standing until 5 January, 2001. Possible deal: joint venture.

MAIN MINERAL/ELEMENT: Zinc, lead, silver

SECONDARY MINERALS/ELEMENTS: Copper, gold

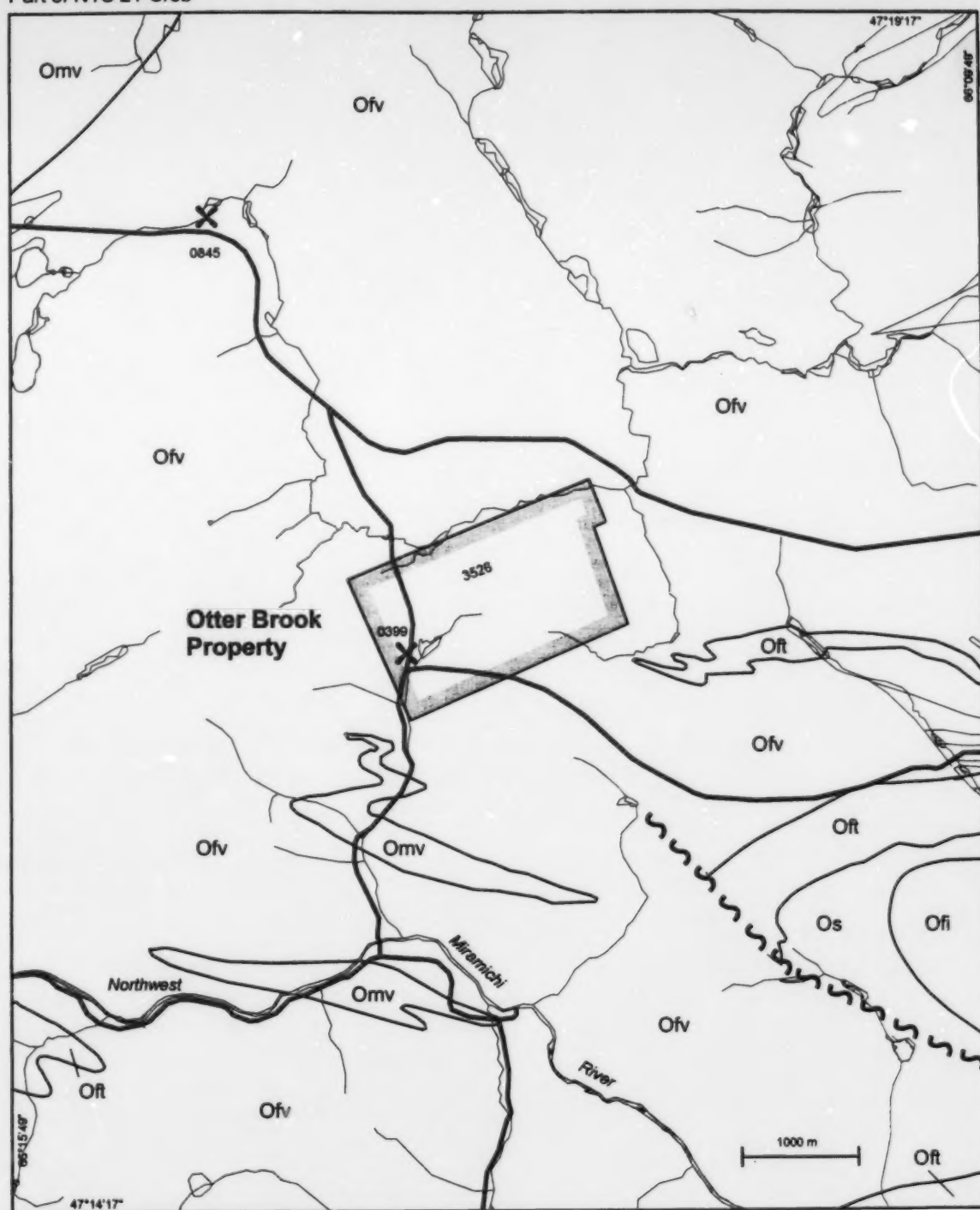
NATURE OF MINERALIZATION: The hosting stratigraphy is the Stratmat tuffaceous sedimentary sequence that is sandwiched between acid volcanic rocks and contains the Stratmat Mine. The lithology is mainly felsic volcanic rocks, minor mafic intrusive dykes or flows, and minor sedimentary beds. Model: Bathurst camp volcanogenic stratabound sulphides in Ordovician volcanic rocks.

EXPLORATION HISTORY: Several airborne EM conductors, *i.e.*, gradient magnetometer and coincident conductivity anomaly – were outlined by the 1995/96 government survey of the Bathurst Camp. Found associated are anomalous rock samples with up to 2500 ppm Zn and 1740 ppm Pb.

RECOMMENDED WORK: Geological mapping, prospecting, IP and gravity surveys, drilling and/or trenching.

CONTACT PERSON: Ken Whaley	PARTNER:
PHONE No.: 506-363-5513	
FAX No.: 506-363-4524	E-MAIL ADDRESS:

* This was previously known as the Flaherty Brook property.



- | | |
|-----|--|
| Ofi | Ordovician felsic intrusive rocks |
| Omv | Ordovician mafic volcanic rocks |
| Os | Ordovician sedimentary rocks |
| Ofv | Ordovician felsic volcanic rocks |
| Of | Ordovician crystal tuff |
| X | Mineral occurrence with Unique Record Number |

**Property 9: Harrison Ridge
(Base metals)**

LOCATION: 14 km southwest of the Shingle Gulch Property of Chapleau Res. Ltd. Approximately 20 km northeast of Plaster Rock. Surface rights are private freehold, by Frasers' Papers Inc. Accessibility is excellent by two-wheel drive vehicle in the summer and winter.

NTS: 21 J/14E (1:20 000 sheet 21 J/14h). Near Longitude 67°45'00"W; Latitude 46°58'12"N.

OWNER'S NAME AND ADDRESS: Tom Drivas, 17 Didrickson Drive, Toronto, ON M2P 1J7

PROPERTY DESCRIPTION: Twenty-six contiguous claims (group 2898) currently in good standing until 19 February, 2001. **Reference:** NB Mineral Occurrence Database, Unique Reference Number 0102, Shingle Gulch; 0878, Shingle Gulch East; and 0986, Sewell Brook.

MAIN MINERAL/ELEMENT: Zinc, lead, copper

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: The target is a high ZnS zone along an annealed fault with some silicification. Deeper and off to the side but further up the zone there will only be a number of stringers of ZnS-PbS with little, if any, pyrite or chalcopyrite. Wallrock alteration, such as silicification with disseminated pyrite and minor chalcopyrite, should occur at greater depths.

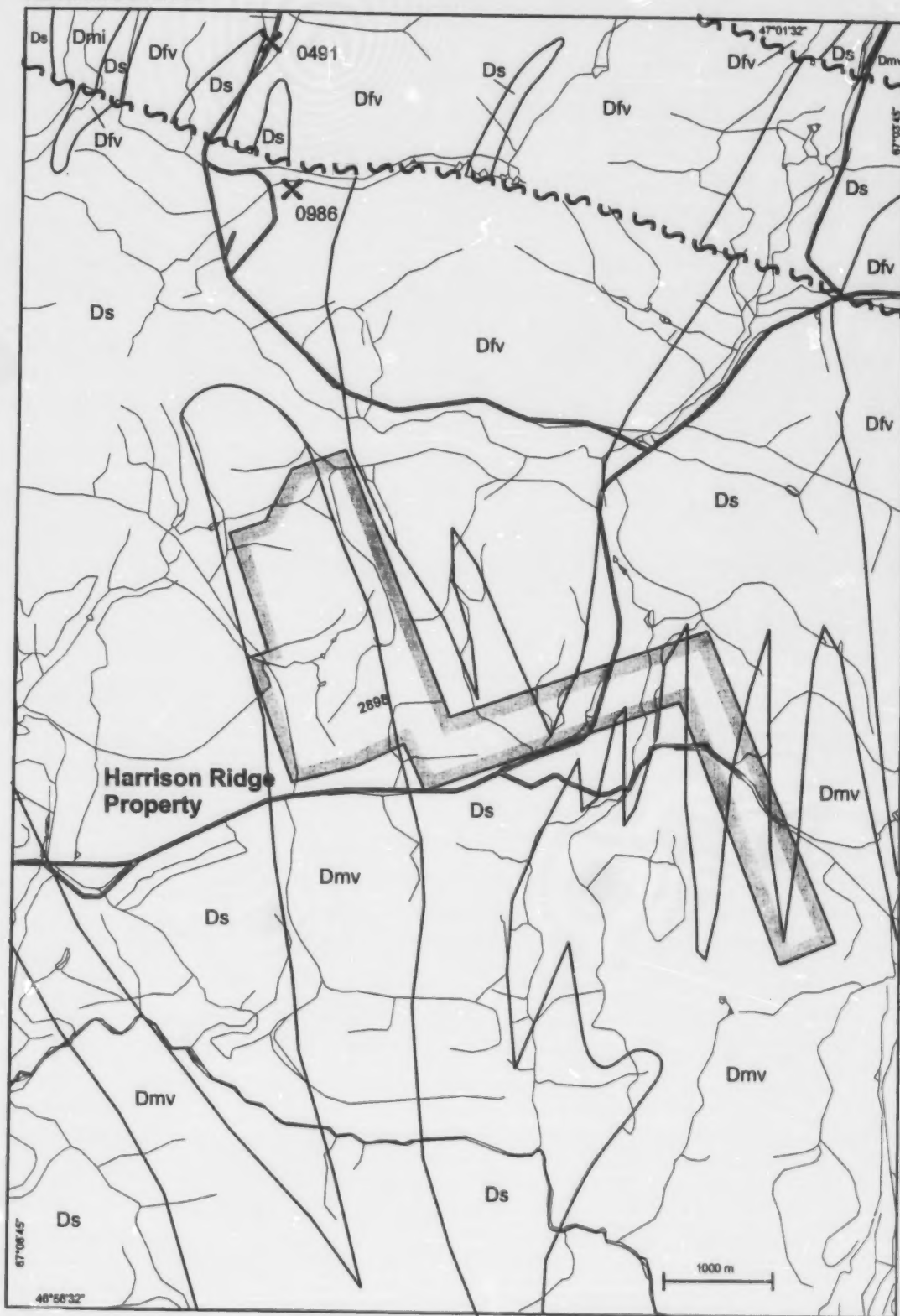
EXPLORATION HISTORY: BHP did reconnaissance soil sampling surveys in the early 1990s. Geological mapping was done in 1996-97. Grid, mapping, soil surveys and geophysics were carried out in 1997. Deep IP survey on selected lines - 1998. The Harrison Ridge anomaly is also on strike with the Sewell Brook deposit at a strike direction of 352 degrees. The signature associated with the geochemical anomaly has most of the attributes of the geophysical and geologic anomaly associated with the Sewell Brook anomaly except that the numerical data values are smaller. This anomaly has: a slight magnetic signature; a VLF signature; the highest geochemical value on the grid and is very localized; and a low resistivity directly beneath the geochemical anomaly.

RECOMMENDED WORK: This zone should be drill-tested in order to evaluate it properly. It needs to be intersected at a significant depth and over a significant width. The required hole would be of 300 m in length, from 1+00E on Line 11+00N, easterly at -51. Everything fits the model, except for the magnitude of the values. But it is not yet known whether it is the magnitude of the values or the shape of the anomaly that is important. The target is a low chargeability zone of low pyrite, high grade Pb-Zn sulphides with minor silicification, mostly at depth. The Sewell Brook model fits well and this zone needs to be drill tested.

CONTACT PERSON: Tom Drivas
PHONE No.: 416-221-0411
FAX No.: 416-218-9772

PARTNER:

E-MAIL ADDRESS: romios@romios.com



Dmi Devonian mafic intrusive rocks
 Ds Devonian sedimentary rocks
 Dfv Devonian felsic volcanic rocks

Dmv Devonian mafic volcanic rocks
 X Mineral occurrence with Unique Record Number

**Property 10: Headway North and Headway West
(Zn, Pb)**

LOCATION: 2 to 4 km SW of Brunswick No. 12 mine, Bathurst area, NB.

NTS: 21 P/5W (1:20 000 sheet 21 P/5e)

OWNER'S NAME AND ADDRESS: Donald Graham, 332 Lindsay Street, Ottawa, ON K1G 0L5

PROPERTY DESCRIPTION: Ten claims in "North" (1665) group, renewed to 26 October, 2001; with excess work credit (exceeding the \$5000 work required for 14th renewal in October, 2001). Two claims in "West" (2163) group, renewed to 13 February, 2001 (end of 10th year) with excess work credit beyond that required in February, 2001).

MAIN MINERAL/ELEMENT: Zinc, lead

SECONDARY MINERALS/ELEMENTS: Potential for copper, silver

NATURE OF MINERALIZATION: Known Québec Smelting & Refining (QS&R) showing has disseminated sulphides plus lenses of massive pyrite within felsic volcanic band. Sulphide-bearing zone is about 4.6 m thick and 120 m long, with up to 3% Zn, 1.1% Pb, and 0.26% Cu. Headway high-grade Zn-Pb-Ag-Cu deposit should continue north into east part of claims.

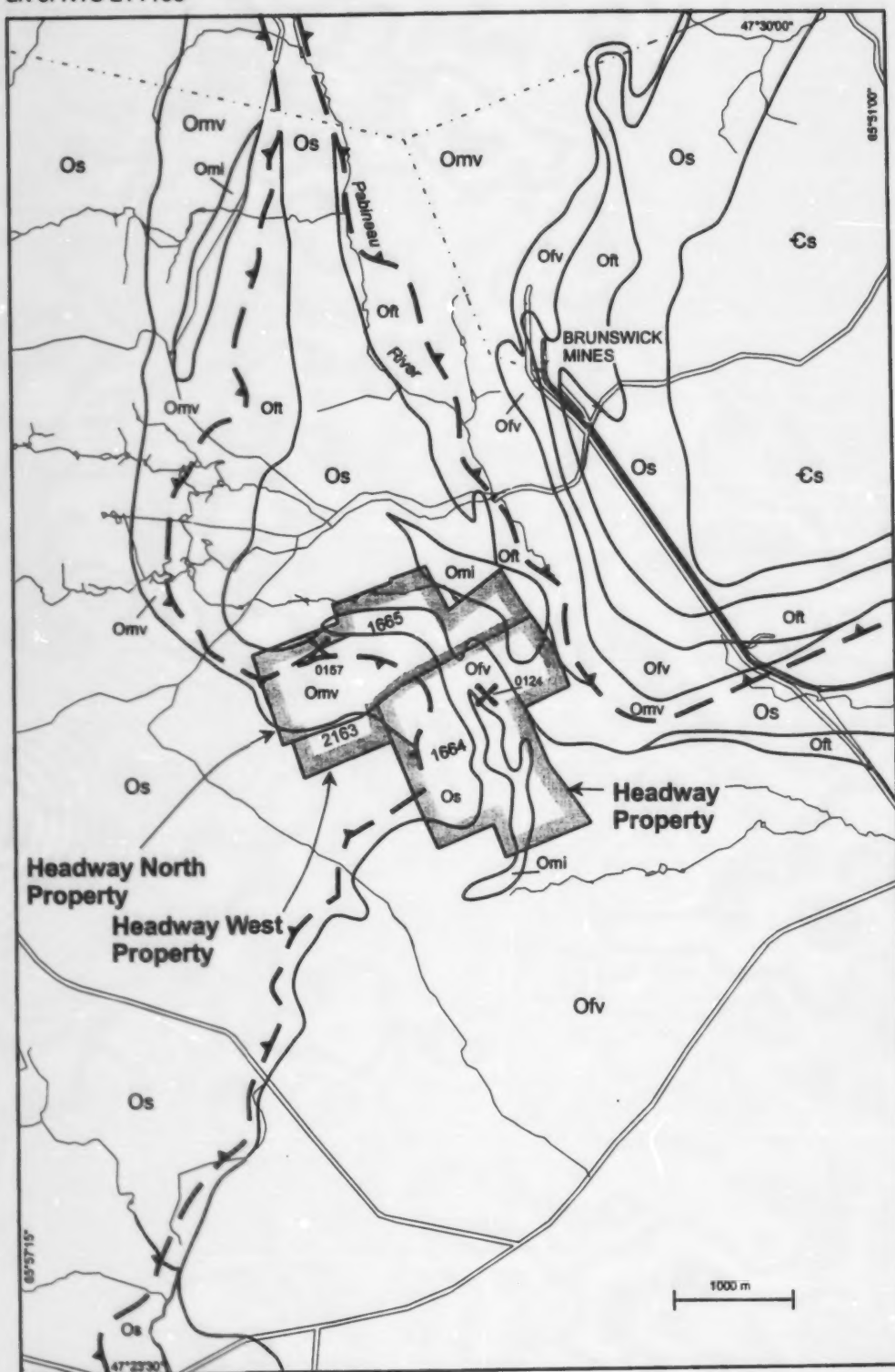
EXPLORATION HISTORY: The QS&R showing was intensely drilled by QS&R and to 250 m depth by Noranda. Rest of property has had prospecting, geophysics, and geochemistry done. Deep IP on lines in untested part of favourable strata during 1997, 1998, and 2000 showed anomaly at depth below felsic porphyry, which is regarded as the "Brunswick Horizon" as well as other anomalies in or beneath hanging wall mafic volcanic rocks.

RECOMMENDED WORK: Deep-penetrating EM or IP can be extended to west end of the property. Drilling could be done now on 600-m length of favourable strata covered by deep IP, and not previously drilled as well as on other anomalies.

CONTACT PERSON: Donald Graham
PHONE No.: 613-733-4242
FAX No.:

PARTNER:

E-MAIL ADDRESS:



Omi Ordovician mafic intrusive rocks
 Omv Ordovician mafic volcanic rocks
 Oft Ordovician felsic volcanic rocks

Oft Ordovician felsic crystal tuff
 Os Ordovician sedimentary rocks
 Cs Cambrian sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 11: Headway
(Zn, Pb, Cu)**

LOCATION: Two to four km south-southwest of the Brunswick No. 12 mine.

NTS: 21 P/5W (1:20 000 sheet 21 P/5e)

OWNER'S NAME, ADDRESS: I.A. Graham, 3423 Peachtree Court, Mississauga, ON L5L 1L8
Stewart Graham, 717 Hamlet Rd., Ottawa, ON K1G 1P7

PROPERTY DESCRIPTION: Fifteen claims (group 1664) in 18th year with excess credit toward renewal on 26 October, 2001.

MAIN MINERAL/ELEMENT: Zinc, lead, copper

SECONDARY MINERALS/ELEMENTS: Silver, gold

NATURE OF MINERALIZATION: 950 metres long, less than 1 m thick massive sulphides being on average 6.2% Zn, 2% Pb, 1.4% Cu, and 20.9 g/t Ag; with a total of approximately 318 000 tonnes proven and probable to 180 m depth (Scope Consultants, 1966). Recent assay of surface material yielded: 24.0% Zn, 8.5% Pb, 2.9% Cu, 86.0 g/t Ag, and 0.25 g/t Au.

EXPLORATION HISTORY: Over 30 holes sunk by previous parties to outline sulphide body to 180 m. Gravity and deep-penetrating IP surveys in 1997, 1998, 1999, and 2000 on northern and southeastern parts of claims showed several anomalies under till-covered areas, and a good anomaly down-dip and southeast on the sulphide horizon, beyond previous drilling.

RECOMMENDED WORK: Trenching of same and or drilling of other IP anomalies.

CONTACT PERSON: Stewart Graham
PHONE No.: 613-260-3099
FAX No.: 613-260-3099

PARTNER: Ian Graham
(905-820-6197)
E-MAIL ADDRESS:

NOTE: See map on previous page.

NOTES

**Property 12: Lazares Brook
(Zn, Pb, Cu)**

LOCATION: Forty-five km southwest of the city of Bathurst, NB. The former producing Wedge mine lies 4.5 km to the northwest of the property and the Nepisiguit A, B, C deposit lies 1 km to the east. The property is on strike with these deposits. The 9500 tonne per day Brunswick Mine/Mill complex lies 20 km to the east. Access to the property via Hwy 430 is excellent summer and winter.

NTS: 21 O/8E (1:20 000 sheet 21 O/8a)

OWNER'S NAME AND ADDRESS:

Frank E. Ross, 184 South Napan Road, Napan, NB E1N 4W1
Robert Donovan, 85 Pine Drive, South Tetagouche, NB E2A 4Z3

PROPERTY DESCRIPTION: Sixteen contiguous claims (groups 3536, 3652, 3643) currently in good standing until 23 February 2001, 30 November 2001, and 15 November 2001, respectively. Excess work of \$1698 will allow the claims to be renewed until 23 February 2002.

MAIN MINERAL/ELEMENT: Zinc, lead, copper / Brunswick-type VMS

SECONDARY MINERALS/ELEMENTS: Magnetite, hematite, barite (up to 25,000 ppm in felsic rocks)

NATURE OF MINERALIZATION: The priority target is an airborne conductor coincident with a .35 Mgal gravity anomaly and a strong soil anomaly, i.e., 560 ppm Cu, 457 ppm Pb and 807 ppm Zn. A sulphide-rich iron formation, which assayed .08% Cu, .04% Pb, .31% Zn, and .37 oz./ton [~12.68 g/t] Ag flanks the conductor. The IF also exhibits a high Fe / Mn ratio (21.51% Fe / 730 ppm Mn).

EXPLORATION HISTORY: EM, HLEM, VLF and Airborne surveys have identified numerous strong conductors. The majority of these conductors can be attributed to graphitic sediments making it difficult to define targets.

Evidence at the Wedge and Nepisiguit A, B, C, deposits indicate that a thrust zone has truncated these deposits. This thrust zone possibly underlies the Lazares Brook claim group. Noranda's recent 3 D block diagram interpretation of the exhalative horizon of the Nepisiguit A, B, C deposit, shows this exhalative horizon to extend on to the Lazares Brook property. (Ref: assessment file report 474853, March 1997).

A weak broad gravity anomaly coincident with an anomalous Cu trend, strong EM conductor and flanking MAG cross through the centre of the property. This anomaly has been assessed as structural. Considering that the drill log for hole R 48-88 reports QFP, this anomaly merits detailed exploration.

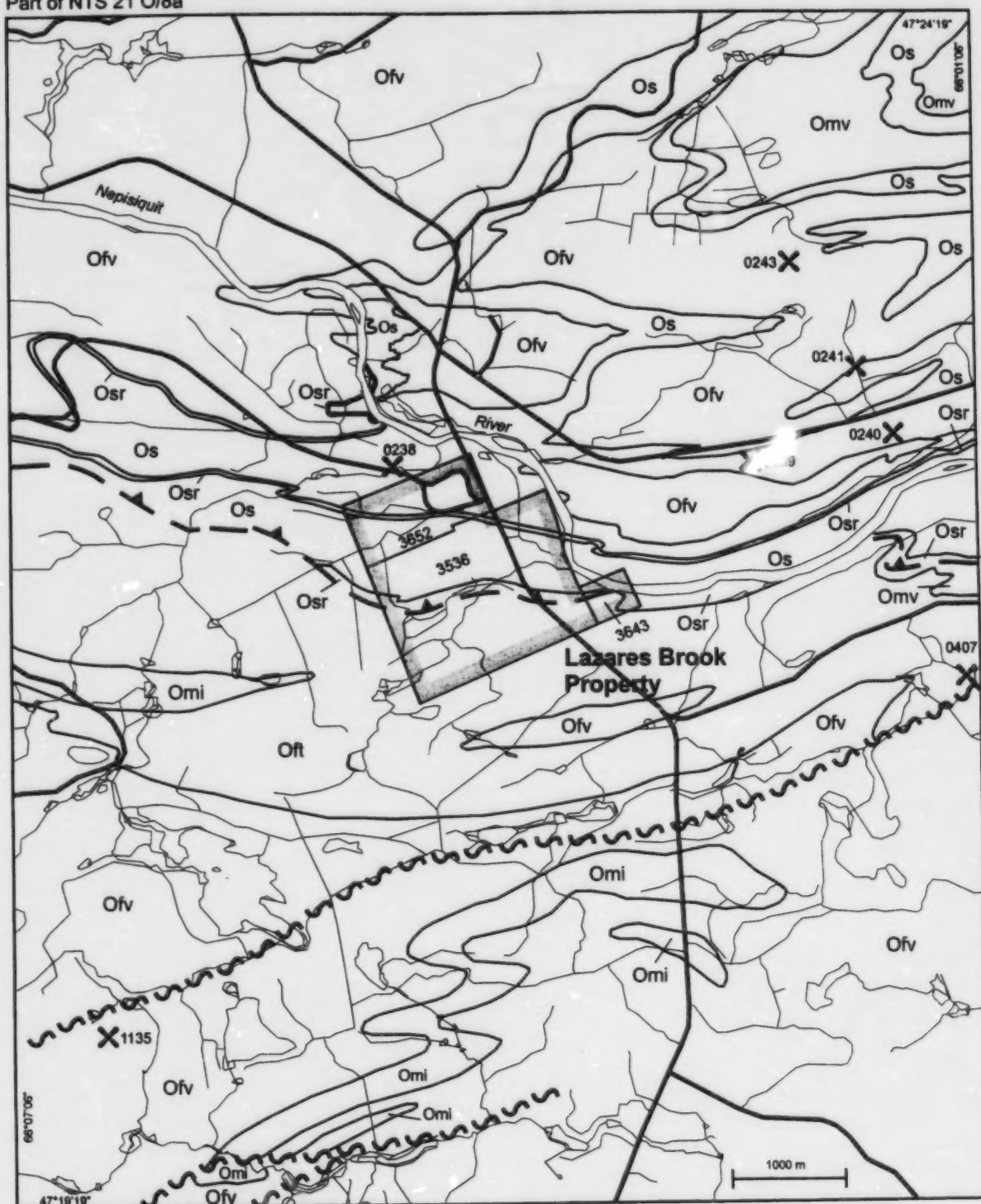
A 1999 soil survey over an area in the southeast corner of the property, not covered in the Noranda survey, found this area to be highly anomalous in base metals.

The Lazares Brook property is part of the Cedar Ridge property that Noranda attempted to interest a junior company into optioning prior to dropping the claim group due to budget restraints.

RECOMMENDED WORK: Follow up on Noranda's positive findings.

CONTACT PERSON: Frank E. Ross
PHONE No.: 506-773-4384
E-MAIL ADDRESS: fross@nbnet.nb.ca

PARTNER: Robert Donovan
506-546-2837
donovan2@nbnet.nb.ca



- | | | | |
|-----|------------------------------------|-----|--|
| Omi | Ordovician mafic intrusive rocks | Ofv | Ordovician felsic volcanic rocks |
| Omv | Ordovician mafic volcanic rocks | Ofv | Ordovician crystal tuff |
| Osr | Ordovician red manganiferous shale | X | Mineral occurrence with Unique Record Number |
| Os | Ordovician sedimentary rocks | | |

**Property 13: Silver
(Ag, Au)**

LOCATION: 72 km by road southwest of Bathurst and 6 km northwest of California Lake. Claims were staked on and around the California Lake mineral occurrence (URN 0393). Accessibility is excellent by two-wheel drive in the summer and by 4X4 in the spring and fall; snowmobile in winter. Near Lat. 46°49'30" N and Long. 66°12'00" W.

NTS: 21 O/8E (1:20 000 sheet 21 O/8g)

OWNER'S NAME AND ADDRESS: Forest Gate Resources Inc., Suite 202, 345 Victoria Ave., Westmount, QC H3Z 2N2

PROPERTY DESCRIPTION: Eighteen contiguous claims (groups 3513, 3825) currently in good standing until 3 December 2001 and 9 November 2001, respectively.

MAIN MINERAL/ELEMENT: Silver, gold

SECONDARY MINERALS/ELEMENTS: Zinc, lead, copper

NATURE OF MINERALIZATION: Ag and Au occur in quartz veinlets within flexures that deform the NE-striking steeply dipping penetrative cleavage. Mineralization is hosted by polydeformed Ordovician rhyolite tuffs along a hanging wall of iron formation. Silver is associated with Pb-Zn sulphides, intense silicification, and locally barite and Mn-oxide. The wall rocks are affected by sericitic and argillic alteration. The largest and richest (Ag) shoots are in fractures and breccia zones, roughly parallel to axial surfaces of the flexures (trending NW and dipping steeply NE). Model is an epithermal breccia and vein deposit with potential for a blind VMS base-metal deposit.

EXPLORATION HISTORY: Discovered by Lacana Mining in 1984 by prospecting, it was subsequently drilled with approximately 37 holes. The property was acquired by Homestake as part of the takeover of Lacana-Corona in the 1990s. It was optioned to Teck Corporation in 1995 or 96 and they did deep-penetration geophysics on the property. That survey yielded a deep target beneath the known zone. It has yet to be drilled.

No additional work has been done on this property since Teck Corporation. Mapping is currently being reviewed and one or two old holes are planned to be re-logged if they are available. Mapping of new clearcut areas is in progress.

RECOMMENDED WORK: The target is gold and silver in a breccia zone using a hydrothermal model, but at depth becoming a blind base-metal massive sulphide deposit. The deep-EM should be re-evaluated and another survey done to confirm it and then this zone should be drill-tested at depth in order to evaluate it properly. It needs to be intersected at a significant depth and over a significant width. The required hole would be 500-700 m in length.

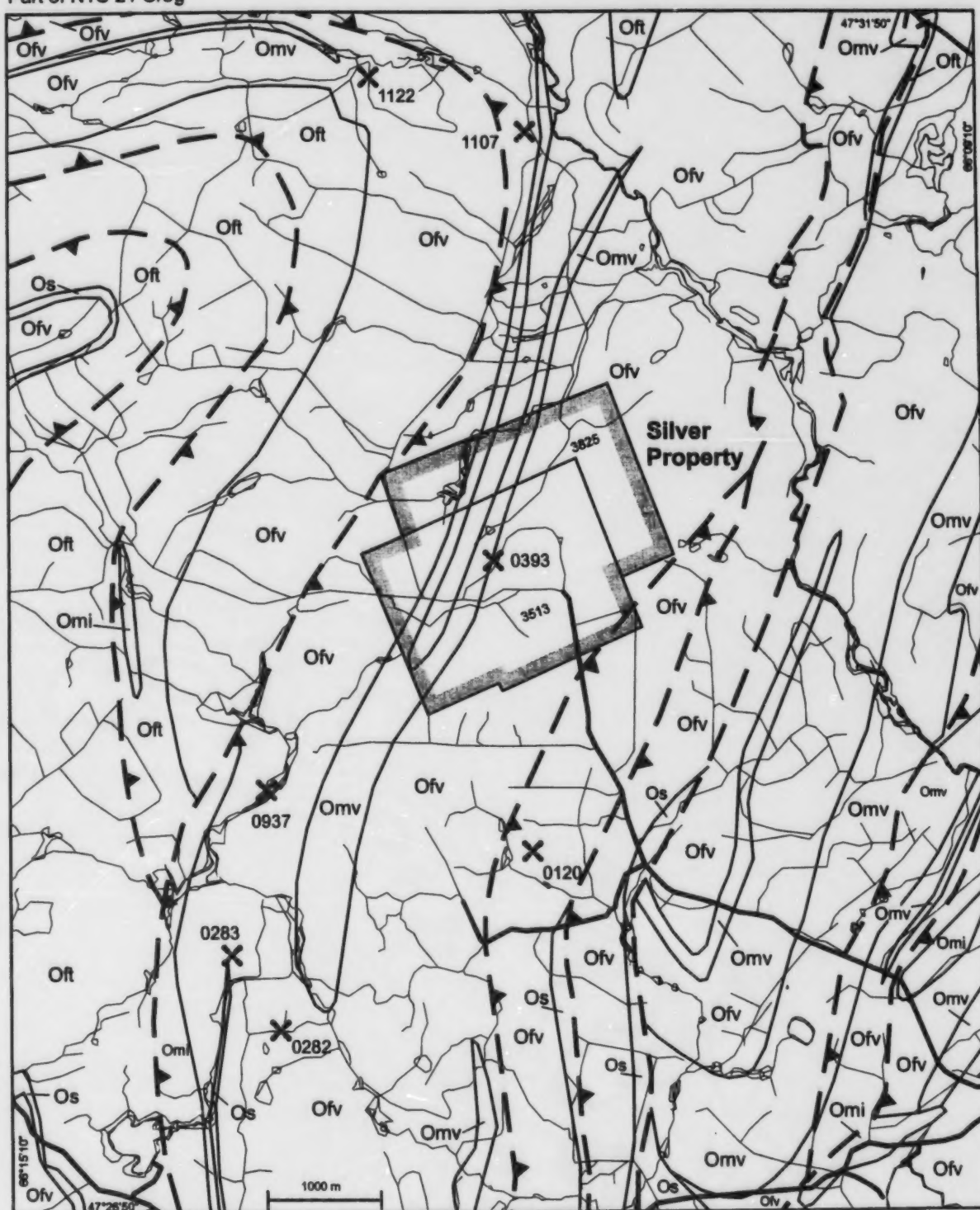
CONTACT PERSON: Earnest A. Brooks, VP Expl. **PARTNER:**

PHONE No.: 506-548-2156

FAX No.: 506-548-2156

E-MAIL ADDRESS: eabrooks@nbnet.nb.ca

Part of NTS 21 O/8g



**Property 14: AUSb
(Au₂)**

LOCATION: 50 km by road southwest of Bathurst and 2.5 km northeast of where the Rio Road crosses the 40-Mile Brook. Claims were staked on and around the Caribou Road Sb mineral occurrence (URN 0906), discovered in 1989 by E.A. Brooks. Accessibility is excellent by two-wheel drive vehicle in the summer and by 4X4 in the spring and fall; snowmobile in the winter. Near Lat. 46°49'30" N and Long. 66°05'00" W.

NTS: 21 O/8E (1:20 000 sheet 21 O/8h)

OWNER'S NAME AND ADDRESS: Forest Gate Resources Inc., Suite 202, 345 Victoria Ave., Westmount, QC H3Z 2N2

PROPERTY DESCRIPTION: Twenty-five contiguous claims (groups 3469, 3824) currently in good standing until 19 October 2001 and 7 November 2001, respectively.

MAIN MINERAL/ELEMENT: Gold, arsenic, antimony

SECONDARY MINERALS/ELEMENTS: Zinc, lead

NATURE OF MINERALIZATION: Stibnite, pyrite, malachite, manganite, calcite. Hydrothermal breccia models and VMS base-metal models are both applicable.

EXPLORATION HISTORY: Brunswick Mining and Smelting found the deposit in 1989 as a result of following up anomalous Sb in soil geochemistry. Drilling was done in 1989. Trenching in 1989 discovered a breccia zone with massive stibnite as a cement. There were a few narrow veins of massive stibnite outside the breccia as well. No gold or arsenic was found in the trench samples. Drilling indicated that the antimony is in a breccia zone that is oblique to the lithology. At a depth of just 25 metres, the antimony content decreases dramatically and is replaced by arsenopyrite. Gold values are increasing with depth as well. Silicification also increases at depth with one sample assaying at 88% SiO₂ and 7% Fe. Permanganate with copper occurs on altered fracture surfaces, particularly in altered chloritized and calcareous mafic rocks.

No additional work was done and it was dropped in 1998. The area of the claims has been clearcut since the Brunswick work and is being mapped in 1999.

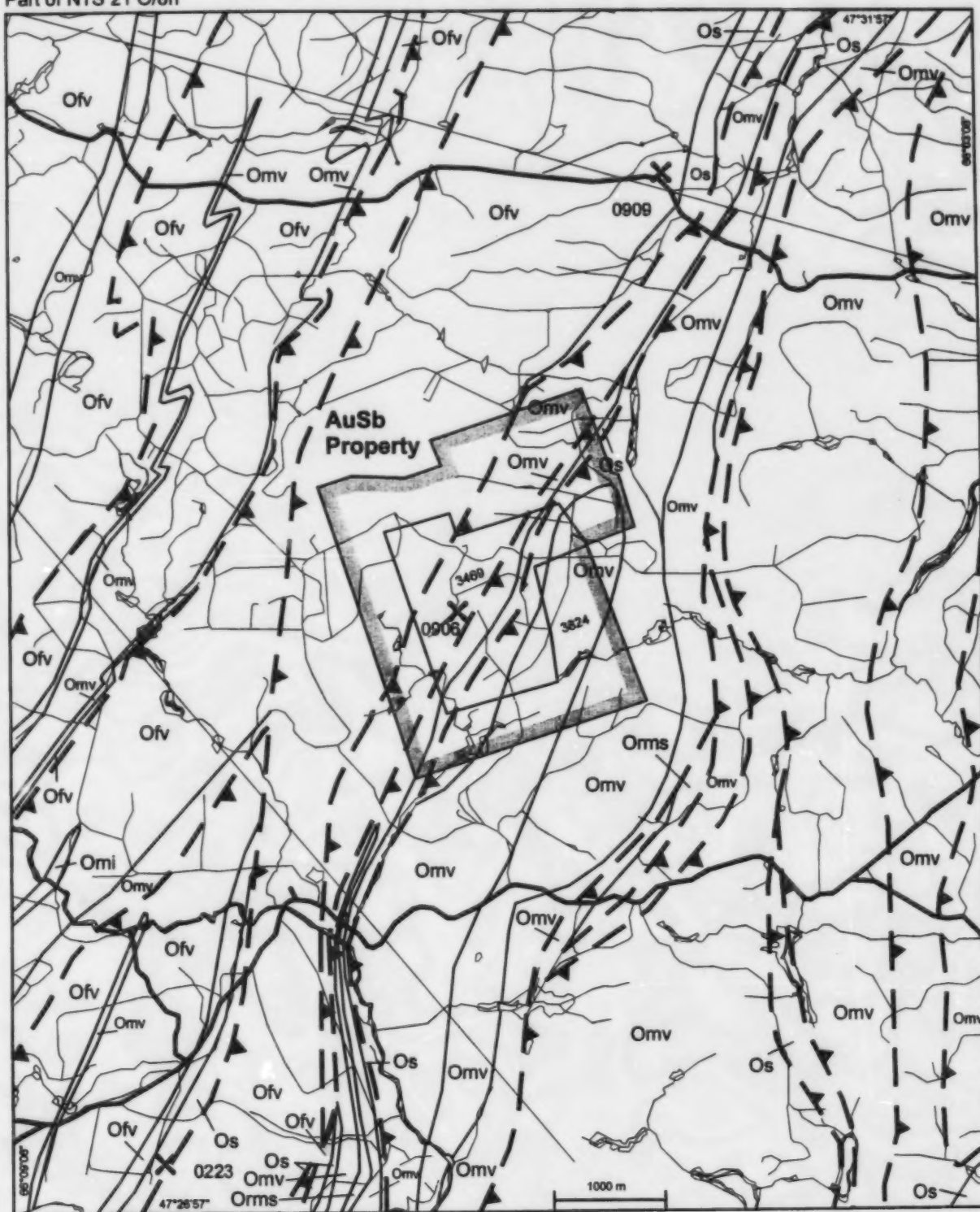
RECOMMENDED WORK: The target is a gold in breccia zone using a hydrothermal model. As well, recent, but incomplete, prospecting and mapping may indicate a stratigraphic horizon with base-metal potential. This zone should be drill tested in order to evaluate it properly. It needs to be intersected at a significant depth and over a significant width. The required hole would be of 420 m in length.

CONTACT PERSON: Earnest A. Brooks, VP Expl. **PARTNER:**

PHONE No.: 506-548-2156

FAX No.: 506-548-2156

E-MAIL ADDRESS: eabrooks@nbnet.nb.ca



**Property 15: Clearwater Lake
(Pb, Zn)**

LOCATION: 5 km northwest along strike from Chester Pb-Zn-Cu deposit.

NTS: 21 O/1W (1:20 000 sheet 21 O/1f)

OWNER'S NAME AND ADDRESS: Slam Exploration Ltd., 115 Whalen Street, Miramichi, NB
E1V 3Y2

PROPERTY DESCRIPTION: Existing credits are sufficient to hold property several years. The property consists of 69 claims (group 2940). There is no outstanding work commitment.

MAIN MINERAL/ELEMENT: Lead - zinc

SECONDARY MINERALS/ELEMENTS: Copper, silver

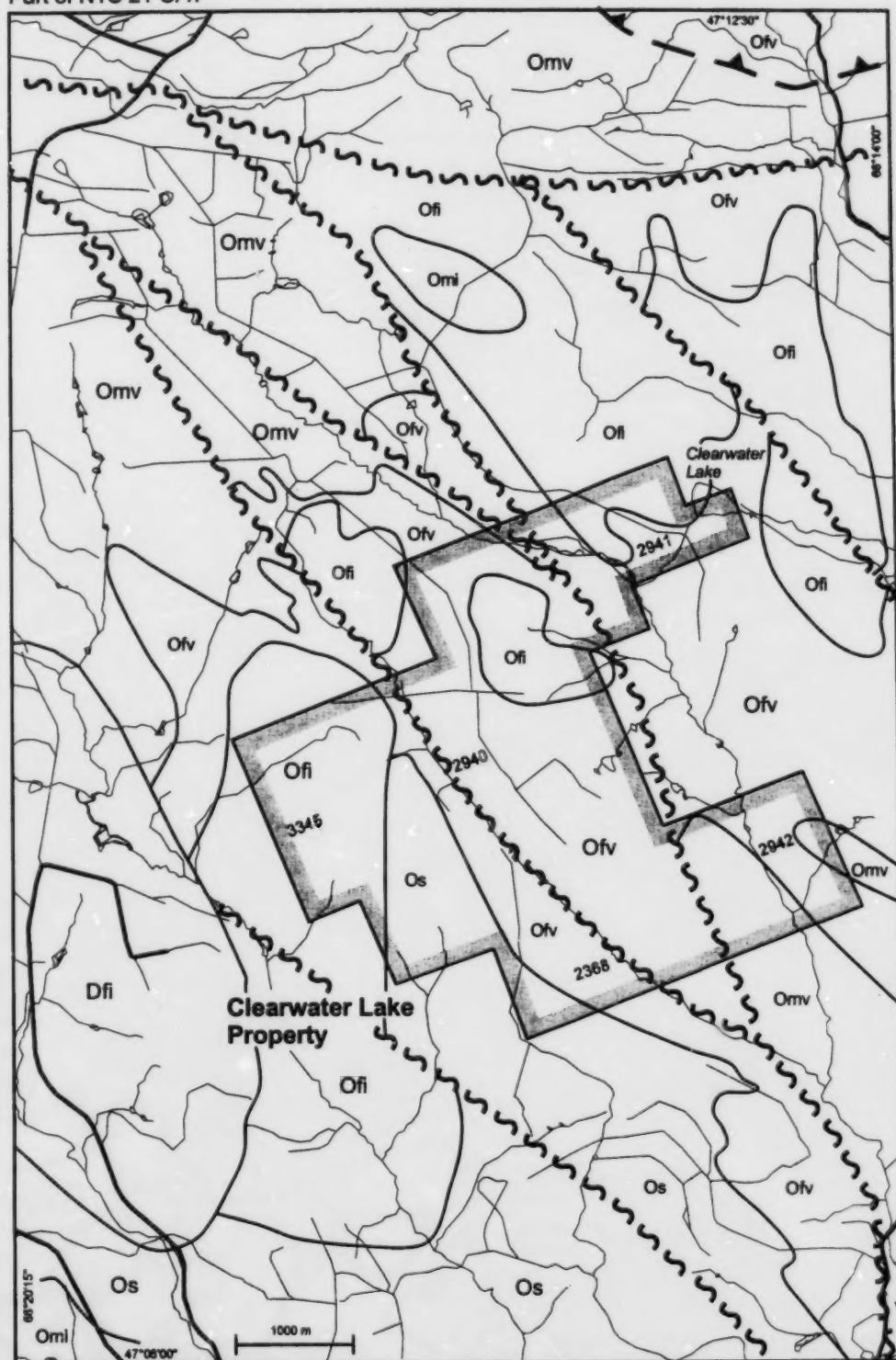
NATURE OF MINERALIZATION: VMS base-metal targets. Soil geochemical anomalies correlate with airborne conductors. Soils contain up to 1068 ppm Zn, 430 ppm Pb, and 494 ppm Cu. Excellent drill targets in area underlain by the same felsic volcanic rocks that host the Chester deposit.

EXPLORATION HISTORY: The government airborne survey of the Bathurst Camp was completed in 1996. Slam acquired claims in the fall of 1997. Slam completed soil geochemistry and VLF-EM surveys. BHP Minerals completed reconnaissance soil surveys in 1993, but did not follow up with drilling.

RECOMMENDED WORK: Trenching and diamond drilling, approximately 1000 m. Total project requirements: \$100,000.

CONTACT PERSON: Mike Taylor
PHONE No.: 506-627-1353
FAX No.: 506-622-8392

PARTNER:
E-MAIL ADDRESS: slam2@nbnet.nb.ca



Omv Ordovician mafic volcanic rocks
 Ofv Ordovician felsic volcanic rocks
 Os Ordovician sedimentary rocks

Dfi Devonian felsic intrusive rocks
 Ofi Ordovician felsic intrusive rocks
 Omi Ordovician mafic intrusive rocks

**Property 16: Lewis Brook
(Pb, Zn, Ag)**

LOCATION: Forty km east of Plaster Rock via Route 109 and logging roads.

NTS: 21 J/14E (1:20 000 sheet 21 J/14h)

OWNER'S NAME AND ADDRESS: Slam Exploration Ltd., 115 Whalen Street, Miramichi, NB
E1V 3Y2

PROPERTY DESCRIPTION: Eighty-eight claims (groups 2890, 3598, 3774) currently in good standing until 16 February 2002, 5 August 2001, and 21 July 2001, respectively.

MAIN MINERAL/ELEMENT: Lead, zinc, silver

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: VMS and epithermal vein type (e.g., Eskay Creek).

EXPLORATION HISTORY: In 1966, International Geochemical Associates discovered anomalous stream sediments. Lithogeochemistry outlines alteration zone (silicification and Na-depletion) over 1.5 km. 1997-1999 Slam Exploration outlined Pb-Zn-Ag soil geochemical anomalies and drilled four hole that intersected disseminated and high-grade vein type mineralization up to 8.56% Pb, 15.3% Zn and 2593.6 g/t Ag over 30 cm. In 2000, trenching uncovered vein type mineralization (925 ppm Ag) up dip from drill intersection and a 400 m strike length with disseminated sulphides and altered felsic volcanic and chert at the sediment/felsic contact. The thickness is at least 5.0 m. A soil geochemical anomaly indicates this mineralized trend continues to the north.

RECOMMENDED WORK: Explore high-grade Pb-Zn-Ag vein along strike and down dip by drilling. Explore the newly discovered mineralized horizon to identify potential high-grade Pb-Zn-Ag deposits.

CONTACT PERSON: Mike Taylor **PARTNER:**

PHONE No.: 506-627-1353

FAX No.: 506-627-1328

E-MAIL ADDRESS: explore@slamexploration.com

**Property 17: Reid's Brook
(Zn)**

LOCATION: Nine Mile Brook, northern NB

NTS: 21 P/5W (1:20 000 sheet 21 P/5e)

OWNER'S NAME AND ADDRESS: Peter Jamieson, 676 Youghall Drive, Bathurst, NB E2A 4X9

PROPERTY DESCRIPTION: Nine claims (group 3816) currently in good standing until 17 October, 2001.

MAIN MINERAL/ELEMENT: Zinc

SECONDARY MINERALS/ELEMENTS: Copper, lead

NATURE OF MINERALIZATION: Silurian. The area is underlain by Ordovician rock.

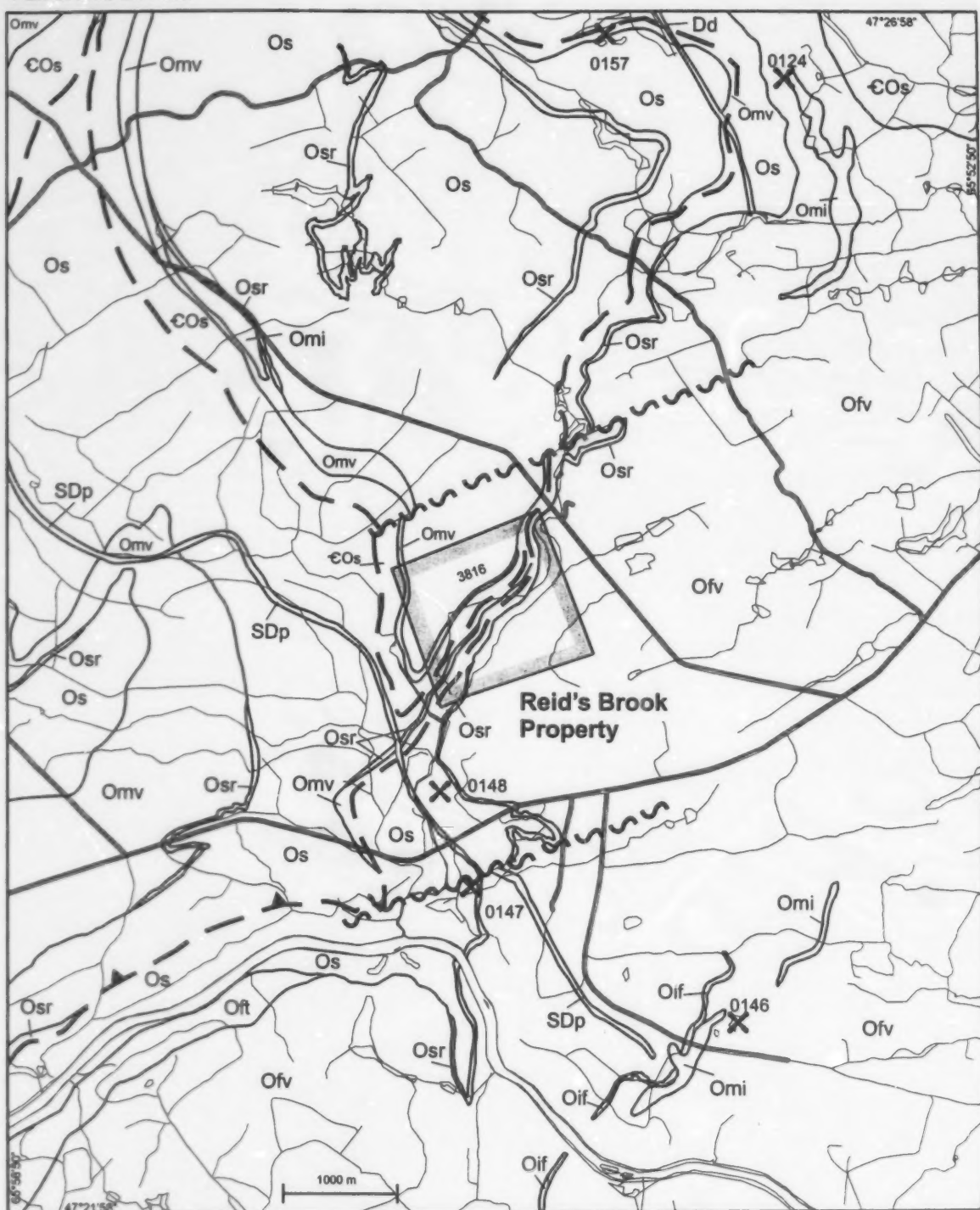
EXPLORATION HISTORY:

RECOMMENDED WORK: Further prospecting.

CONTACT PERSON: Thomas Jamieson
PHONE No.: 506-546-5123
FAX No.:

PARTNER:

E-MAIL ADDRESS:



Dd Devonian diabase dike
 SDp Siluro-Devonian porphyritic rocks
 Omi Ordovician mafic intrusive rocks
 Osr Ordovician red manganiferous shale
 Os Ordovician sedimentary rocks

Omv Ordovician mafic volcanic rocks
 Ofv Ordovician felsic volcanic rocks
 Oif Ordovician iron formation
 COs Cambro-Ordovician sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 18: Tower
(Zn)**

LOCATION: Bathurst Mining District, Upsalquitch area

NTS: 21 O/8W (1:20 000 sheet 21 O/8e)

OWNER'S NAME AND ADDRESS: Northeast Exploration Services Ltd., 875 St. Peter Avenue,
Bathurst, NB E2A 2Z1

PROPERTY DESCRIPTION: Group 1465 (22 claims), currently in good standing until 11 March 2001, \$76772 excess work. Group 2689 (10 claims), currently in good standing until 18 May 2001, \$215 excess work.

MAIN MINERAL/ELEMENT: Zinc

SECONDARY MINERALS/ELEMENTS: Copper, silver, lead

NATURE OF MINERALIZATION: Disseminated to massive Zn-Pb-Cu-Ag mineralization in highly altered felsic tuffs. Up to 30 metre mineralized zones of low-grade Zn-Pb-Cu-Ag with narrow ore grade intercepts (up to 11% zinc plus lead). Strong wide alteration zone open to north and at depth. Good chlorite alteration to south along trend. This zone has not been adequately tested and warrants significant additional work.

Recent geochemical sampling with quantum cluster technology has indicated a significant geochemical target to the immediate east of the sulphide horizon in an undrilled area.

EXPLORATION HISTORY: Recent diamond drilling has indicated zone is open to the north and at depth contrary to previous interpretations. Widths are improving at depth and along strike to north. Several untested electromagnetic anomalies as well as unsourced geochemical anomalies on property.

RECOMMENDED WORK: Borehole pulse surveying, additional diamond drilling on main zone as well as additional quantum geochemical sampling. Exploration of several other untested electromagnetic/geochemical targets on the property is also warranted.

CONTACT PERSON: T. Mersereau
PHONE No.: 506-548-2592
FAX No.: 506-548-4684

PARTNER:

E-MAIL ADDRESS: nex@nbnet.nb.ca

**Property 19: Ransom Brook
(Zn)**

LOCATION: Bathurst Mining District, Portage Lakes area

NTS: 21 O/7E (1:20 000 sheet 21 O/7h)

OWNER'S NAME AND ADDRESS: Northeast Exploration Services Ltd., 875 St. Peter Avenue,
Bathurst, NB E2A 2Z1

PROPERTY DESCRIPTION: Seventy-three claims (groups 3796, 3797, 3798) currently in good standing until 29 August, 30 August, and 6 September 2001, respectively.

MAIN MINERAL/ELEMENT: Zinc

SECONDARY MINERALS/ELEMENTS: Copper, silver, lead

NATURE OF MINERALIZATION: The target is a volcanogenic massive sulphide deposit associated with felsic volcanic rocks and sedimentary basins. The property contains untested airborne electromagnetic and geochemical anomalies that are on trend with the adjacent Marshall Minerals Corporation Portage Brook Zn-Pb-Cu deposit and the Restigouche Mine. There is a strong possibility that the Portage Brook deposit, which is located on the Marshall claims, plunges onto the Ransom Brook property.

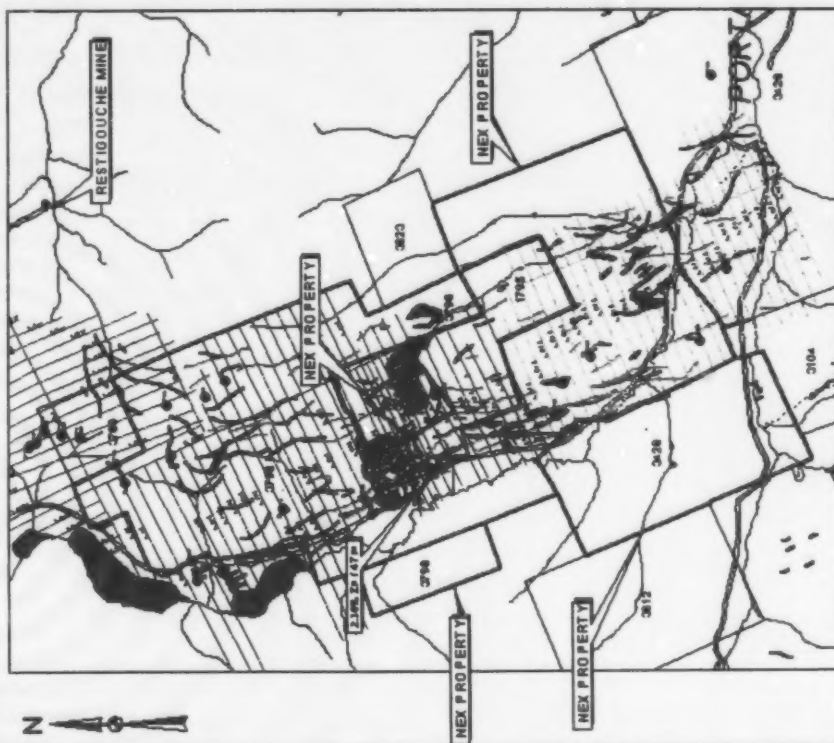
EXPLORATION HISTORY: Riocanex, New Jersey Zinc, and Canex Placer explored in the area from the 1950s to the 1970s. Canex discovered the Portage Brook deposit and explored it with several drill holes. One intersection contained 47 m of 2.3% Zn+Pb. Numerous electromagnetic anomalies as well as associated zinc in soil anomalies have not been drill tested. These anomalies are in similar stratigraphy to the Restigouche and Murray Brook Mines and the Portage Brook sulphide zone.

RECOMMENDED WORK: Prospecting, anomaly location in the field, geological mapping, geochemistry, and drilling.

CONTACT PERSON: T. Mersereau
PHONE No.: 506-548-2592
FAX No.: 506-548-4684

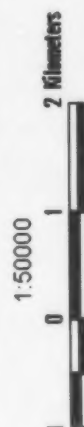
PARTNER:
E-MAIL ADDRESS: nex@nbnet.nb.ca

RANSOM BROOK PROPERTIES



- LEGEND**
- MARSHALL BOUNDARY
 - CLAIM GROUP
 - OTHER
 - NEX
 - FRASER FILTERED W/F
 - HELEN ANOMALY
 - DIAMOND DRILL HOLE
 - Zn 250 p.p.m. IN SOILS

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**Property 20: California Lake
(Cu, Zn)**

LOCATION: Bathurst mining district, Upsalquitch area

NTS: 21 O/8E (1:20 000 sheet 21 O/8h)

OWNER'S NAME AND ADDRESS: Northeast Exploration Services Ltd., 875 St. Peter Ave.,
Bathurst, NB E2A 2Z1

PROPERTY DESCRIPTION: Seventeen claims (group 3630) currently in good standing until 22 October, 2001.

MAIN MINERAL/ELEMENT: Copper, zinc

SECONDARY MINERALS/ELEMENTS: Lead, silver

NATURE OF MINERALIZATION: Disseminated to massive chalcopyrite sphalerite footwall style mineralization in chloritic metasedimentary rocks. A Cu sulphide zone located in trenching has been probed by several diamond drill holes.

EXPLORATION HISTORY: The property has been explored by both Boliden in the 1970s and NovaGold in the early 1990s. NovaGold located and explored a footwall type Cu stockwork zone in metasedimentary rocks. The mineralized, chloritized zone was encountered in the surface trenching (trenches 2, 3). This zone is situated to the immediate west of the rhyolite package on the western side of the property. It is interesting to note that not all of the drill holes bottomed in rhyolitic rocks and may not have adequately probed the favourable stratigraphy.

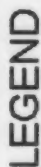
NovaGold trenching and drilling also established that a significant alteration zone enriched in Cu, Zn Pb occurs on the property. The NovaGold drilling included two mineralized holes that intersected a copper sulphide chloritized footwall zone between lines 800S - 900S. Assays of 2.93% Cu/3 m and 2.46% Cu/1.2 m were obtained in drilling coincident IP anomaly/trench mineralization. Problems with stratigraphy dip were encountered during the programme. The IP anomaly extends to the north and south of the drilled area.

RECOMMENDED WORK: The property warrants additional investigation to locate the massive sulphide portions of the mineralized footwall Cu sulphide zone. In particular the felsic volcanic/metasedimentary contact which has not been probed by diamond drilling and which is the preferred site of sulphide mineralization elsewhere in the district should be evaluated.

CONTACT PERSON: T. Mersereau
PHONE No.: 506-548-2592
FAX No.: 506-548-4684

PARTNER:

E-MAIL ADDRESS: nex@nbnet.nb.ca



NEX BLOCK 3630

CLAIM BOUNDARY

BUILDING ZONE

DOUBLED GRAVITY ANOMALY

0.2 mals AMAX 1958

0.3 mals CANWEX 1973

04 male CANWEX 1973

GRAVITY ANOMALY

MAXMIN1 ANOMALY AXIS

HLEM ANOMALY AXIS

SELF POTENTIAL ANOMALY AXIS

BULPHIDE IRON FORMATION

I.P. INDUCED POLARIZATION ANOMALY

VLF AXIS ANOMALY

BOIL ANOMALY

DIAMOND DRILL HOLE

TRENCH

I.P. INDUCED POLARIZATION ANOMALY

CHLORITE ZONE

GRAPHY

GRID LINES BRIDGE

RIVER

ROAD

FAULT
GEOLOGY LEGEND

ANDESITE

CENTRAL VOLCANICLASTIC BAND

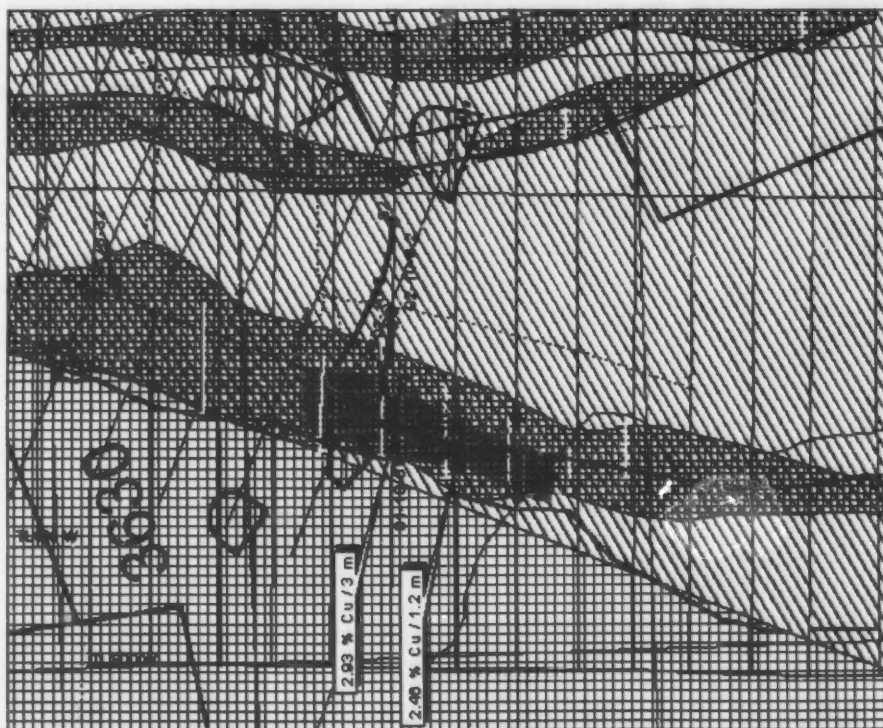
DOMINANTLY MAFIC CRYSTAL TUFF

INTERMEDIATE CRYSTAL TUFF

PHYLLOITES: CRYSTAL TILTS AND FLOWS

PHYLITES: MASSIVE AND TUFFACEOUS FACIES

SEDIMENTARY ROCKS

☐

1:10000

2

50

0.5 Kilometers



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CALIFORNIA LAKE PROPERTY

NORTHEAST EXPLORATION SERVICES LTD.

0505 33016 MW 13

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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**Property 21: Bills Lake
(Cu, Pb, Zn, Ag)**

LOCATION: Sixty kilometres northwest of Miramichi, Northumberland County, Bathurst Mining Camp, NB

NTS: 21 O/1E (1:20 000 sheets 21 O/1b, g)

OWNER'S NAME AND ADDRESS: PGE Resource Corporation, P.O. Box 4626, Rothesay, NB
E2E 5X3

PROPERTY DESCRIPTION: Claim group 2045, 98 claims currently in good standing until 6 November, 2001.

MAIN MINERAL/ELEMENT: Copper, lead, zinc, silver

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Volcanogenic massive sulphide. The Bills Lake claims cover the Lead Pond and Sheephouse Brook massive sulphide showings.

EXPLORATION HISTORY: Between 1953 and 1997, airborne and ground geophysics, various geochemical surveys and drilling programs were conducted by Clearwater Mines, SEREM, Shell Canada Resources, Ron Bujold, Ivan Stairs, Bellechasse Mining, Noranda, BHP Minerals and others.

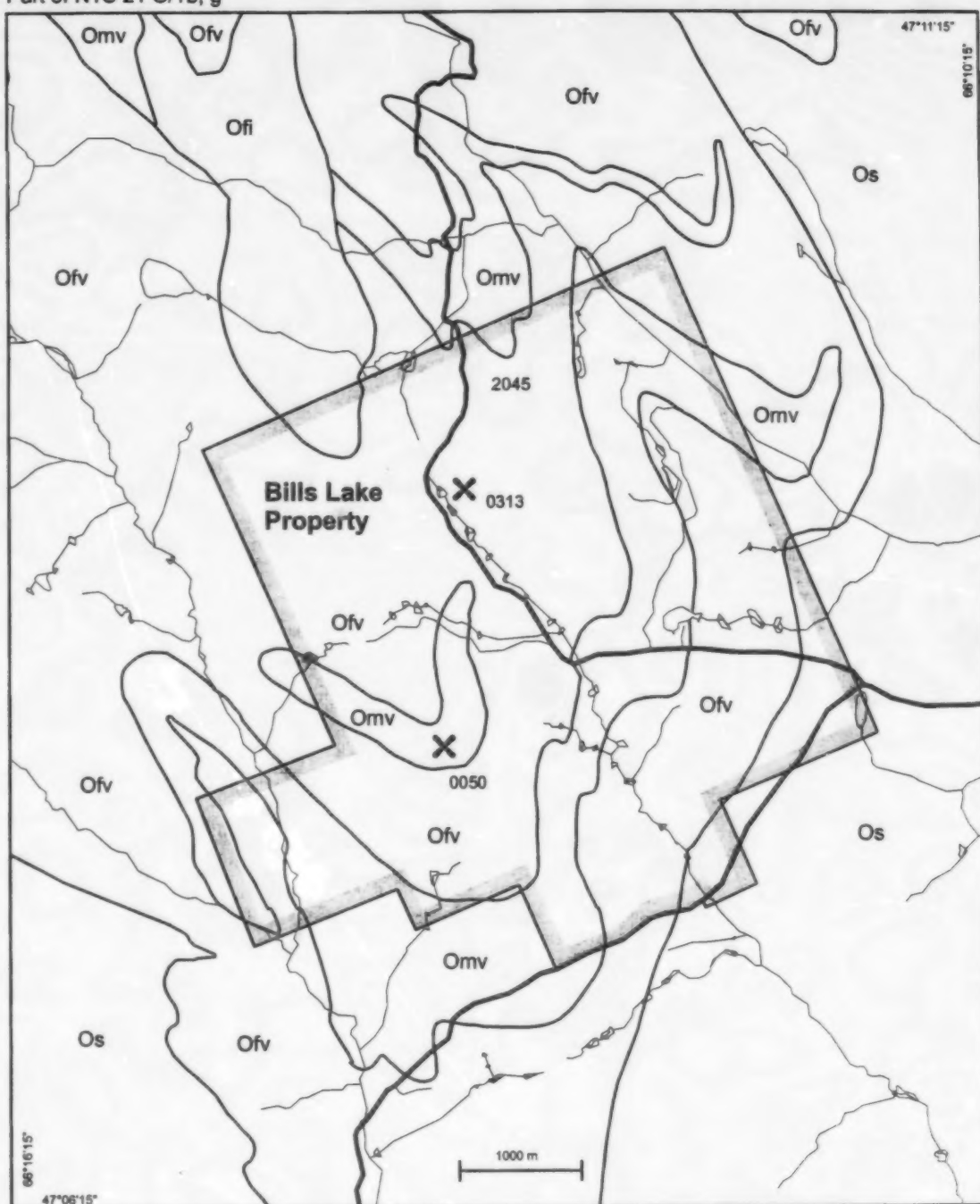
RECOMMENDED WORK: Drilling program to test unexplained large, strong Pb-Zn soil anomalies and geophysical targets.

CONTACT PERSON: Robert G. Baxter
PHONE No.: 506-634-6182
FAX No.:

PARTNER:

E-MAIL ADDRESS:

Part of NTS 21 O/1b, g



- Ofi Ordovician trachyte
- Ofv Ordovician felsic volcanic rocks
- Omv Ordovician mafic volcanic rocks
- Os Ordovician sedimentary rocks
- X Mineral occurrence with Unique Record Number

**Property 22: Holmes Meadow
(Zn, Pb)**

LOCATION: Approximately 10 km southwest of the Heath Steele Mine located in the southern part of the Bathurst Mining Camp. The property is bisected by the Fraser Burchill Road.

NTS: 21 O/1 (1:20 000 sheets 21 O/1f, g)

OWNER'S NAME AND ADDRESS: Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R.#1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: Twenty claims (group 2674), currently in good standing until April 18, 2001.

MAIN MINERAL/ELEMENT: Zinc, lead

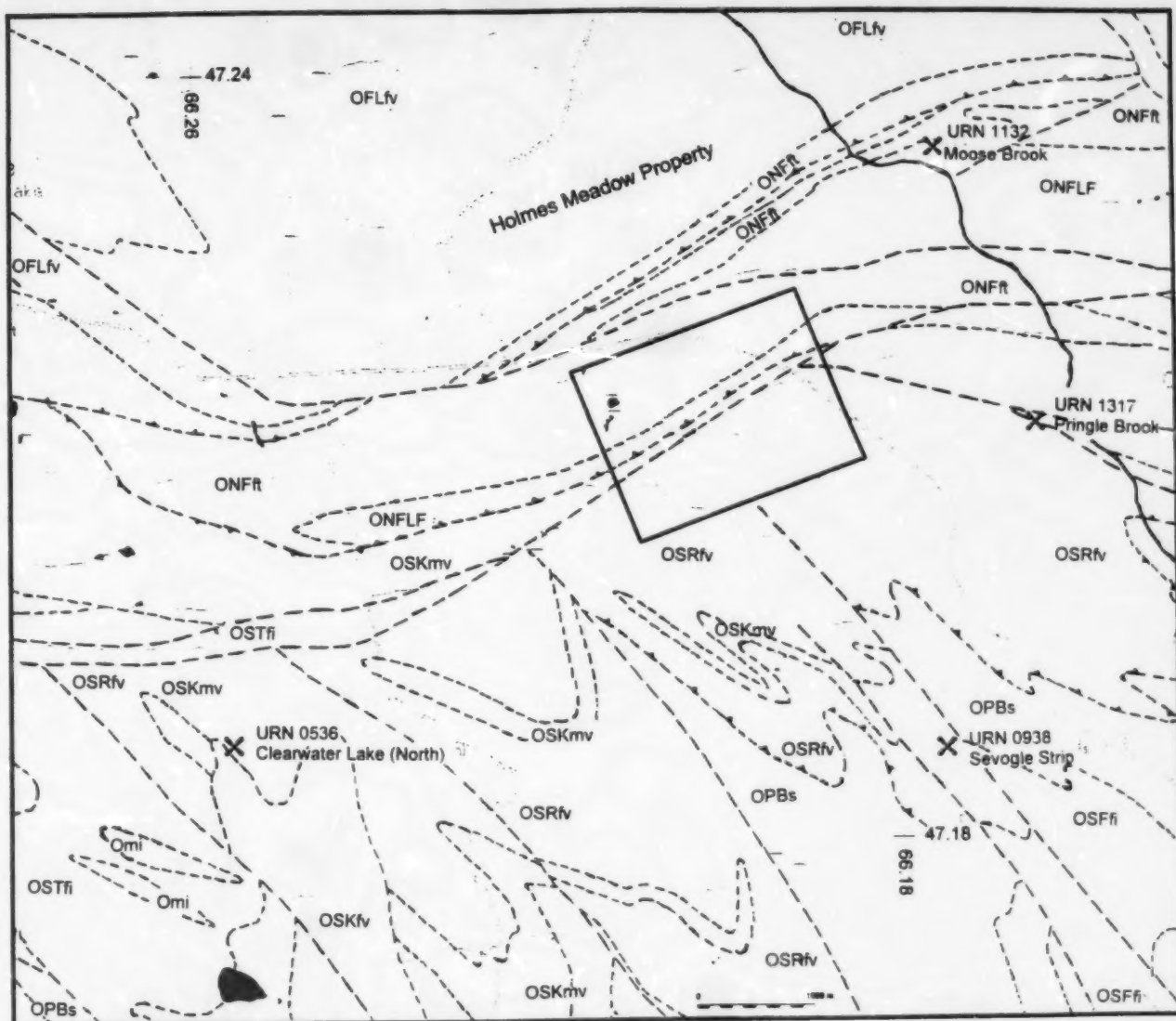
SECONDARY MINERALS/ELEMENTS: Pyrite

NATURE OF MINERALIZATION:

EXPLORATION HISTORY: Between 1957 and 1996, property-scale geology, ground magnetics and electromagnetics, soil geochemistry, limited IP surveys and minor diamond drilling (3 holes) programs were conducted by a variety of companies. In 1998, Eastmain Resources Inc. excavated and sampled two trenches based on geochemical data from earlier BHP studies.

RECOMMENDED WORK: Detailed geology and whole rock sampling to better define targets. Reworking of BHP's geophysical data followed by deep penetrating EM.

CONTACT PERSON: Don Robinson or Cathy Butella PHONE No.: 519-940-4870 FAX No.: 519-940-4871	PARTNER: None E-MAIL ADDRESS: robinson@eastmain.com
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- OSF fi - Squirrel Falls Porphyry
- OST fi - Stoney Brook Porphyry
- O mi - Gabbro & Diabase
- OFL fv - Flat Landing Brook Felsic Volcanic
- ONF ft - Nepisiguit Falls Felsic Tuff
- ONF LF - Little Falls Member Nepisiguit Falls
- OSK fv - Sheep House Brook Comendite
- OSK mv - Basalt
- OPBs - Patrick Brook Sediments
- X - Mineral Occurrence with Unique Record Number

**Property 23: Otter Brook (Eastmain)
(Zn, Pb)**

LOCATION: Approximately 50 km southwest of the city of Bathurst located in the central part of the Bathurst Mining Camp.

NTS: 21 O/8E (1:20 000 sheet 21 O/8g)

OWNER'S NAME AND ADDRESS : Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R.#1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: Total of 33 claims in four groups, 3175, 3186, 3187 and 3400, currently in good standing until 17 February 2001, 7 March 2002 (3186 and 3187), and 29 June 2002, respectively.

MAIN MINERAL/ELEMENT: Zinc, lead

SECONDARY MINERALS/ELEMENTS: Pyrite

NATURE OF MINERALIZATION: Hosting stratigraphy is a weakly altered debris flow on the flank of a thrust zone separating tuffaceous rocks of the Spruce Lake Formation and sedimentary rocks of the Flat Landing Brook Formation.

EXPLORATION HISTORY: Between 1953 and 1996, property-scale geology, ground and airborne magnetics and electromagnetics, soil geochemistry and stream sediment programs were conducted by a variety of companies. In 1997, Eastmain Resources Inc. completed Max-Min I, VLF, total field magnetometer, soil geochemistry, and geological mapping surveys on a cut grid identifying several drill targets. A small drill program (3 holes) was completed by Eastmain Resources in 1998.

RECOMMENDED WORK: Additional diamond drilling.

CONTACT PERSON: Don Robinson or Cathy Butella

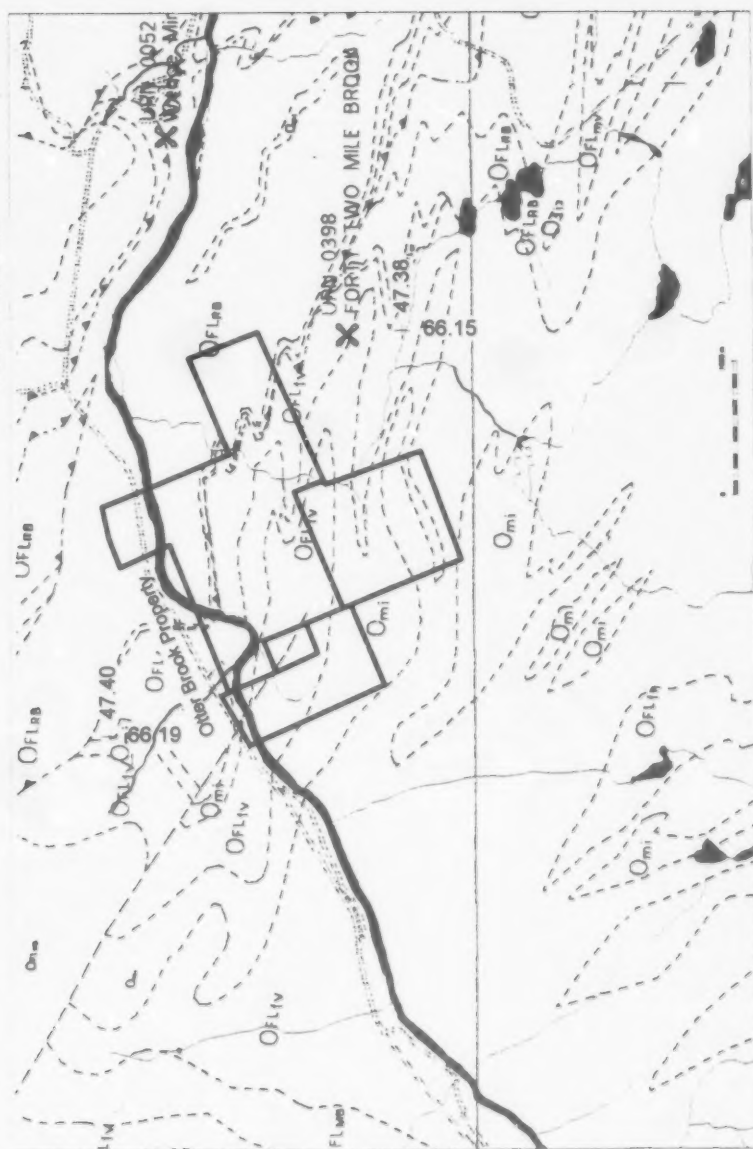
PARTNER: McBroom Resources Inc.

PHONE No.: 519-940-4870

FAX No.: 519-940-4871

E-MAIL ADDRESS: robinson@eastmain.com

Part of NTS 210/08



- OFL - Subvolcanic quartz feldspar porphyry
- Omi - Gabbro and diabase
- OFL MB - Moody Brook Member: tholeiitic to transitional mafic pyroclastics
- OFLmv - Alkaline basalt
- OFLth - Mainly felsic hyaloclastic breccias and hyalotuffs
- OFLV - Aphritic or feldspar-phryic rhyolite
- OFLRB - Roger Brook Member: feldspar crystal tuff
- X - Mineral occurrence with Unique Record Number

**Property 24: Rocky Lake
(Zn, Pb)**

LOCATION: Approximately 50 km southwest of the city of Bathurst located in the central part of the Bathurst Mining Camp.

NTS: 21 O/8E (1:20 000 sheet 21 O/8b)

OWNER'S NAME AND ADDRESS : Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R.#1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: Total of 176 claims in three groups, 2918, 3013, and 3163, currently in good standing until 26 February 2001, 4 June 2002, and 27 January 2001, respectively.

MAIN MINERAL/ELEMENT: Zinc, lead

SECONDARY MINERALS/ELEMENTS: Silver, copper

NATURE OF MINERALIZATION: Two zones of mineralization occur on the Rocky Lake property. The first Halfmoon Lake occurs as disseminated and stringer mineralization, associated with an altered Flat Landing Brook rhyolite hyaloclastic and chloritic tuffaceous sediments. The Halfmoon Lake occurrence is modeled after the Stratmat and Taylor Brook massive sulphide deposits. The other mineral occurrence Caribou Lake consists of a lapilli tuff with clasts of altered rhyolite containing disseminated base metals. The lapilli tuff groundmass is a weakly chloritic andesite with disseminated and stringer base metals.

EXPLORATION HISTORY: Between 1953 and 1996, property-scale geology, ground and airborne magnetics and electromagnetics, soil geochemistry and stream sediment programs were conducted by a variety of companies. In 1997, Eastmain Resources Inc. completed Max-Min I, VLF, IP, total field magnetometer, soil geochemistry, and geological mapping surveys on a cut grids identifying several drill targets. A small drill program (6 holes) was completed by Eastmain Resources in 1998. Three holes were drilled on the South end of a 400 m IP conductor at Caribou Lake, and three holes were drilled on an 800 m IP anomaly (which remains open on both ends) at Halfmoon Lake.

RECOMMENDED WORK: Additional ground geophysical surveys and diamond drilling.

CONTACT PERSON: Don Robinson or Cathy Butella

PARTNER: McBroom Resources Inc.

PHONE No.: 519-940-4870

FAX No.: 519-940-4871

E-MAIL ADDRESS: robinson@eastmain.com

- Subvolcanic quartz feldspar porphyry
- Gabbrro and diabase
- Moody Brook Member: tholeiitic to transitional mafic pyroclastics
- Alkaline basalt
- Mainly felsic hyaloclastic breccias and hyaloclasts
- Aphyric or feldspar-phyric thryolite
- Roger Brook Member: feldspar crystal tuff
- Mineral occurrence with Unique Record Number

**Property 25: Little River
(Zn, Pb)**

LOCATION: Approximately 12 km south of the Heath Steele Mine located in the southern part of the Bathurst Mining Camp.

NTS: 21 P/4W (1:20 000 sheet 21 P/4e)

OWNER'S NAME AND ADDRESS: Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R. #1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: One claim group 2304 with a total of 12 claims currently in good standing until 14 May 2002. The property overlies felsic volcanic rocks (rhyolite) of the Flat Landing Brook Formation, quartz-feldspar crystal tuff of the Nepisiguit Falls Formation and mafic volcanic rocks of the Little River Formation.

MAIN MINERAL/ELEMENT: Zinc, lead

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION:

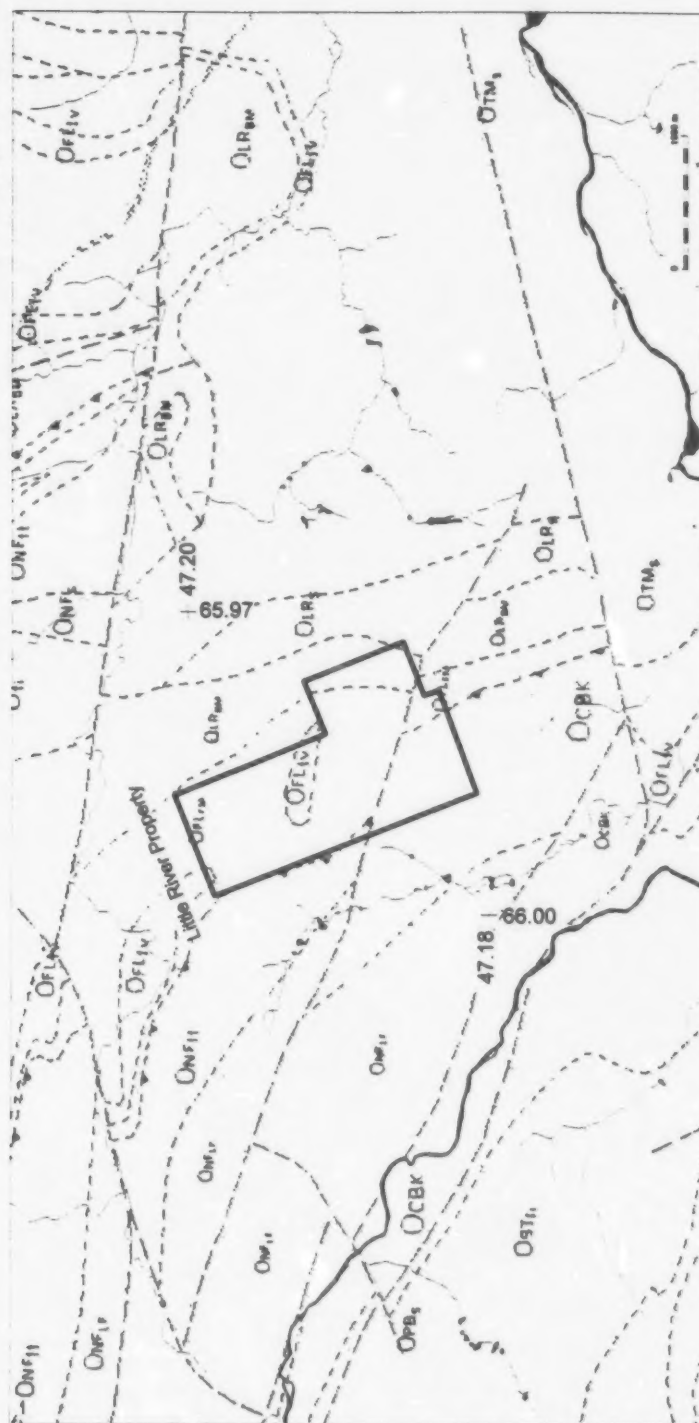
EXPLORATION HISTORY: The Little River property has had relatively little mineral exploration work reported. Although several companies have reported diamond drilling and trenching in areas surrounding the property, there has been little detailed work within the Little River boundary. BHP Minerals Canada Ltd. completed several geochemical and geophysical surveys. Several IP and geochemical anomalies were identified.

RECOMMENDED WORK: Detailed geology and whole rock sampling to better define targets. Reworking of BHP's geophysical data.

CONTACT PERSON: Don Robinson or Cathy Butella
PHONE No.: 519-940-4870
FAX No.: 519-940-4871

PARTNER: None

E-MAIL ADDRESS: robinson@eastmain.com



- | | | | |
|--------|--|--------|---|
| Olf | - Subvolcanic quartz feldspar porphyry | OFL MB | - Moody Brook Member: tholeiitic to transitional mafic pyroclastics |
| Omi | - Gabbro and diabase | OFLmv | - Alkalic basalt |
| OTms | - Sediments | OFLh | - Mainly felsic hyaloclastic breccias and hyalotuffs |
| OBBmv | - Mafic volcanics | OFLv | - Aphyric or feldspar-phyric rhyolite |
| OLR BM | - Brunswick Mines Member-alkalic pillow basalt | OFL RB | - Roger Brook Member |
| OLRs | - Shale, siltstone | ONFif | - Iron formation |
| OFL FM | - Forty Mile Brook Member | ONFs | - Feldspathic siltstone, wacke and shale |
| | | ONFR | - Quartz-feldspar crystal tuff |
| | | ONF LF | - Little Falls Member: siltstone, shale |
| | | CO KBs | - Knights Brook Formation |
| | | O PBs | - Patrick Brook Formation sediments |
| | | X | - Mineral Occurrence with Unique Record Number |

**Property 26: Tingley Brook
(Zn, Pb)**

LOCATION: The Tingley Brook property consisting of the Tingley Brook, Tingley Brook North, and Tingley Brook West claim groups is located in the southeastern corner of the Bathurst mining camp, 25 km northwest of the city of Miramichi, NB.

NTS: 21 P/4W (1:20 000 21 P/4d, e)

OWNER'S NAME AND ADDRESS: Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R.#1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: Total of 159 claims in three groups, 2825, 3510, and 3571, currently in good standing until 28 November 2001, 30 November 2001, and 14 May 2002, respectively.

MAIN MINERAL/ELEMENT: Zinc, lead

SECONDARY MINERALS/ELEMENTS: Pyrite

NATURE OF MINERALIZATION: One drill hole intersected disseminated pyrite with minor base metals within the Nepisiguit Falls quartz-feldspar porphyry. A geophysical interpretation by independent Geophysical consultants has since indicated that there is a large magnetic anomaly at depth. Due to the nature of the magnetic signature it is believed that this anomaly would not be detected by the AEM surveys or the ground surveys completed to date. This anomaly does not appear to be formational in character.

EXPLORATION HISTORY: The Tingley Brook properties have had relatively little mineral exploration work reported. Although several companies have reported diamond drilling and trenching in areas surrounding Tingley Brook North and Tingley Brook, there has been little detailed work within their boundaries. In 1999, Eastmain Resources cut grids on the properties and completed HLEM, and ground magnetometer geophysical surveys. A small diamond drill program was then completed on the Tingley Brook claim group to test surface conductors.

RECOMMENDED WORK: Detailed geophysical surveys to better define the nature of the magnetic anomaly, followed by diamond drilling.

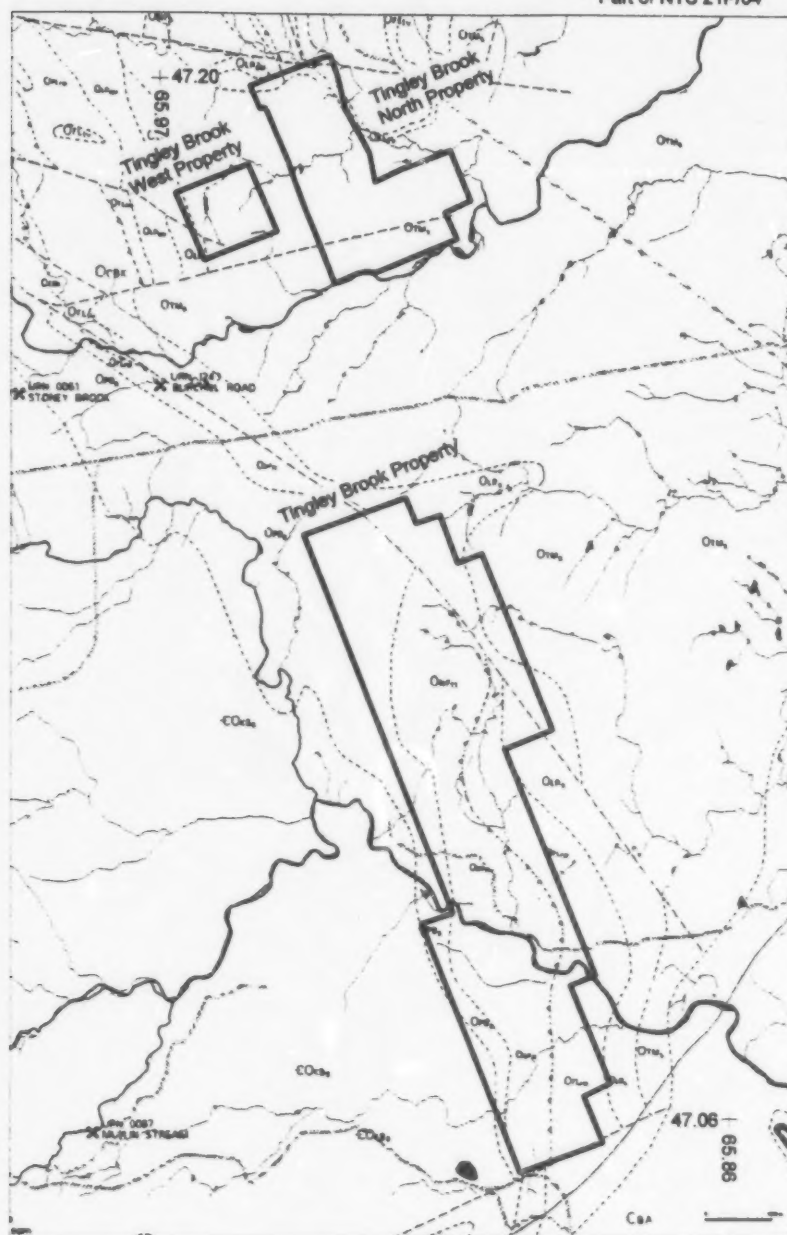
CONTACT PERSON: Don Robinson or Cathy Butella

PARTNER: Bubbee Ventures Inc.

PHONE No.: 519-940-4870

FAX No.: 519-940-4871

E-MAIL ADDRESS: robinson@eastmain.com



- Ofl - Subvolcanic quartz feldspar porphyry
- Omi - Gabbro and diabase
- OTms - Sediments
- OBBrmv - Mafic volcanics
- OLR BM - Brunswick Mines Member-alkalic pillow basalt
- OLRs - Shale, siltstone
- OFL FM - Forty Mile Brook Member

- OFL MB - Moody Brook Member: tholeiitic to transitional mafic pyroclastics
- OFLmv - Alkalic basalt
- OFLth - Mainly felsic hyaloclastic breccias and hyalotuffs
- OFLfv - Aphyric or feldspar-phyric rhyolite
- OFL RB - Roger Brook Member
- ONFif - Iron formation
- ONFs - Feldspathic siltstone, wacke and shale
- ONFr - Quartz-feldspar crystal tuff
- ONF LF - Little Falls Member: siltstone, shale
- CO KBs - Knights Brook Formation
- O PBs - Patrick Brook Formation sediments
- X - Mineral Occurrence with Unique Record Number

**Property 27: Railroad
(Zn, Pb)**

LOCATION: Located in the southern part of the Bathurst Mining Camp, approximately 2 km southeast of the Heath Steele Mine (B-zone), and 40 km northeast of Miramichi, NB.

NTS: 21 O/1, 21 O/8, 21 P/4, and 21 P/5 (1:20 000 sheets 21 O/1h, 21 O/8a, 21 P/4e, and 21 P/5d)

OWNER'S NAME AND ADDRESS: Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R.#1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: Total of 403 claims in twelve claim groups, 1549, 1598, 1779, 1948, 2529, 2669, 3365, 3403, 3425, 3505, 3556 and 3578, with various renewal dates from mid-2001 to mid-2002. The property overlies felsic crystal tuff and porphyry, and sediments/iron formation of the Nepisiguit Falls Formation, rhyolites and tuffs of the overlying Flat Landing Brook Formation and sediments and mafic volcanics of the Little River Formation. A foliated granite is also located within the property.

MAIN MINERAL/ELEMENT: Zinc, lead.

SECONDARY MINERALS/ELEMENTS: Silver, copper

NATURE OF MINERALIZATION: An 8-m diamond-drill-hole intersection of 4.5% Zn, 2.2% Pb, 0.3% Cu, 70.6 g/t Ag and 237 ppb Au. This intersection includes 6.2% Zn, 3.1% Pb, 0.3% Cu, 70.6 g/t Ag and 321 ppb Au over 4.69 m. This base-metal occurrence is associated with an extensive weak discontinuous chargeability anomaly and altered Nepisiguit Falls felsic volcanic and sedimentary rocks near a contact with Flat Landing Brook felsic volcanic rocks. Several other base-metal occurrences (Island Lake, O'Leary, Roche Long Lac, Sprig Brook, Captain West and Iron Formation) are also located within this claim group.

EXPLORATION HISTORY: Work has been reported on the Railroad project from 1954-55, 1971-81 and 1987-96. American Metals Company reported a diamond drill program for 1954-55 that intersected the Roche Long Lac sulphide deposit. In 1979, Sabina Industries explored the area around the Captain West sulphide occurrence by trenching and drilling. Northeast Exploration Services began geophysical surveys in 1986 which led to BHP Minerals Canada Ltd. acquiring these blocks. In a four-year period up to 1996, BHP completed geochemical surveys, magnetometer, VLF, and IP geophysical surveys, diamond drilling and down-hole geophysics. An airborne geophysical survey was also flown by BHP during this time period. Eastmain Resources acquired the Railroad property in 1998.

RECOMMENDED WORK: Continued geological mapping, with accompanying ground geophysical surveys, to be followed by diamond drilling.

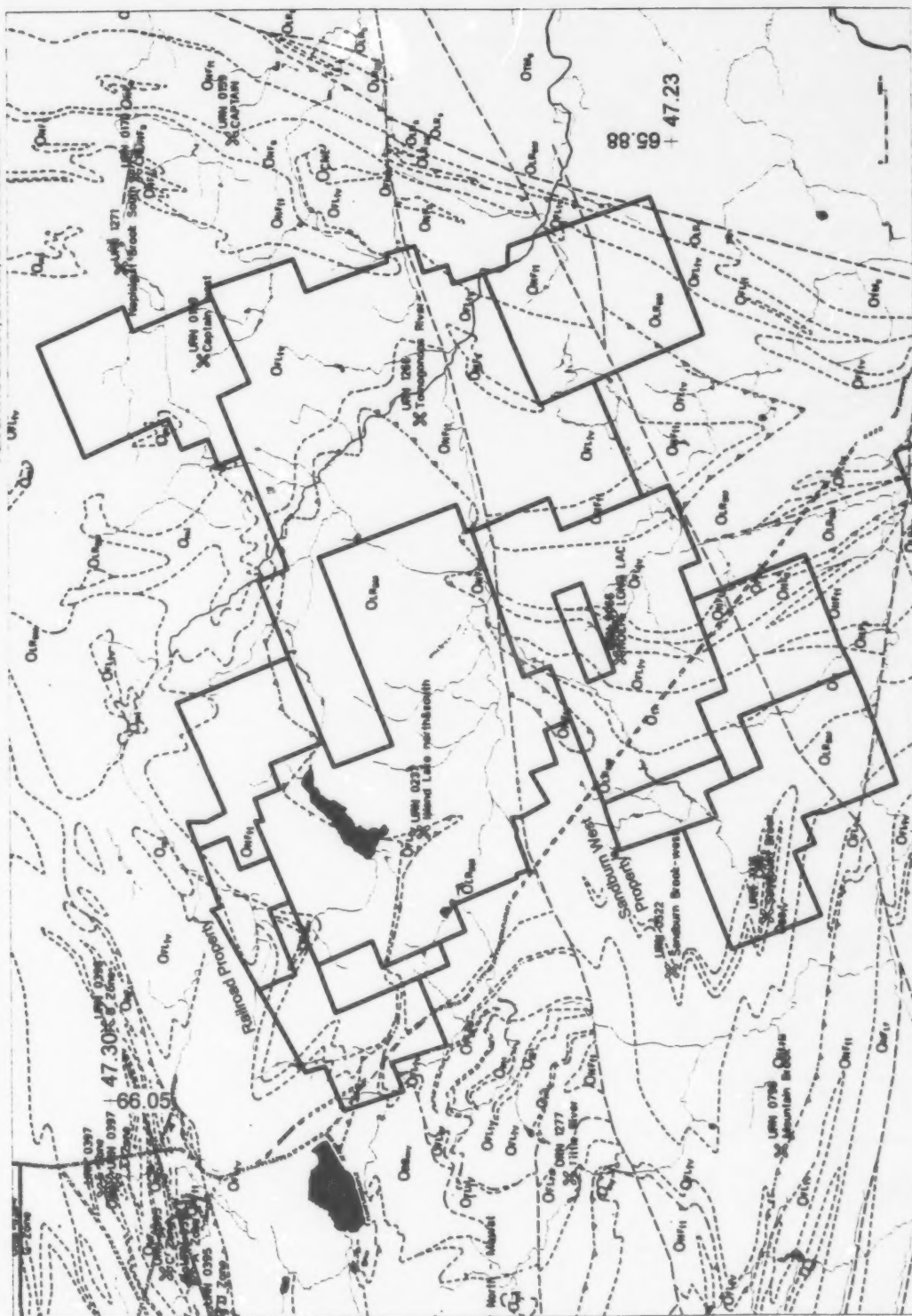
CONTACT PERSON: Don Robinson or Cathy Butella

PARTNER: Billiton Metals Canada Inc.

PHONE No.: 519-940-4870

FAX No.: 519-940-4871

E-MAIL ADDRESS: robinson@eastmain.com



- | | | | |
|--------|--|--------|---|
| Ofl | - Subvolcanic quartz feldspar porphyry | OFL MB | - Moody Brook Member: tholeiitic to transitional mafic pyroclastics |
| Omi | - Gabbro and diabase | OFLmv | - Alkalic basalt |
| OTms | - Sediments | OFLh | - Mainly felsic hyaloclastic breccias and hyalotuffs |
| OBBmv | - Mafic volcanics | OFLv | - Aphyric or feldspar-phryic rhyolite |
| OLR BM | - Brunswick Mines Member-alkalic pillow basalt | OFL RB | - Roger Brook Member |
| OLRs | - Shale, siltstone | ONFf | - Iron formation |
| OFL FM | - Forty Mile Brook Member | ONFs | - Feldspathic siltstone, wecke and shale |
| | | ONFR | - Quartz-feldspar crystal tuff |
| | | ONFL | - Little Falls Member: siltstone, shale |
| | | X | - Mineral Occurrence with Unique Record Number |

**Property 28: Sandburn West
(Zn, Pb)**

LOCATION: Located in the southern part of the Bathurst Mining Camp, approximately 40 km northeast of the city of Miramichi, NB.

NTS: 21 O/1 and 21 P/4 (1:20 000 sheets 21 O/1h and 21 P/4e)

OWNER'S NAME AND ADDRESS: Eastmain Resources Inc. Corporate Office: 20 Toronto Street, Suite 1000, Toronto, ON M5C 2C5; Exploration Office: R.R.#1 Orangeville, ON L9W 2Y8

PROPERTY DESCRIPTION: One claim group 2964, consisting of 7 claims currently in good standing until 10 April 2002.

MAIN MINERAL/ELEMENT: Zinc, lead

SECONDARY MINERALS/ELEMENTS: Silver, copper

NATURE OF MINERALIZATION: Massive sulphide pyrrhotite-pyrite iron formation that occurs near the contact with the quartz feldspar porphyry and the overlying sediments intersected in several diamond drill holes. The best intersection to date from drilling has been 0.025% Cu, 0.15% Pb, 0.35% Zn, and 0.17 oz./ton (~ 5.82 g/t) Ag over 5.5 m.

EXPLORATION HISTORY: Between 1953 and 1998, property-scale geology, ground magnetics and electromagnetics, soil geochemistry, limited IP surveys, airborne AEM and diamond drilling programs were completed by a variety of companies. In 1999, Eastmain Resources Inc. carried out limited geological mapping and rock geochemistry on the property.

RECOMMENDED WORK: Detailed geology and whole rock sampling to better define targets. Reworking of BHP's geophysical data followed by deep penetrating EM.

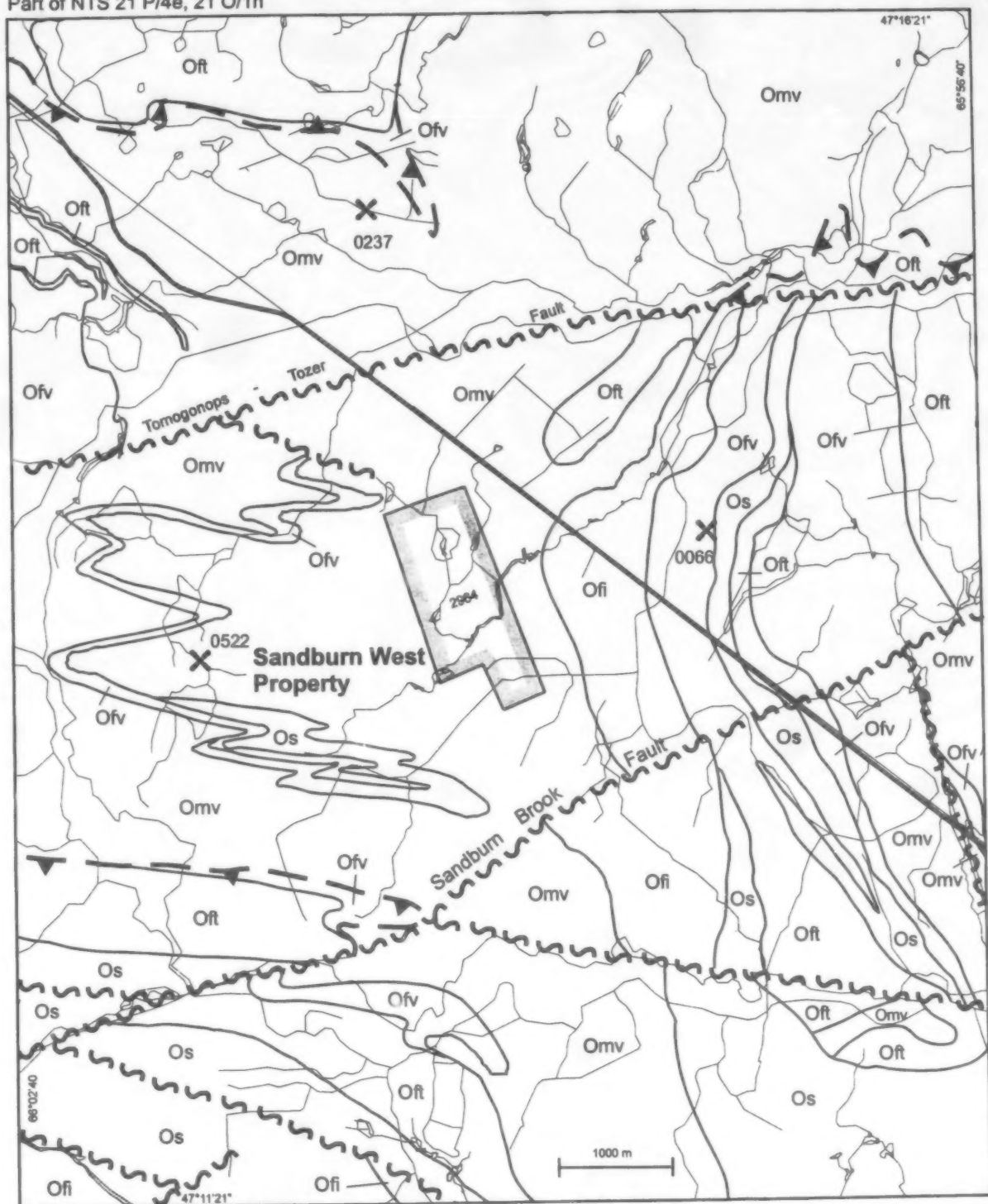
CONTACT PERSON: Don Robinson or Cathy Butella

PARTNER: Bubbee Ventures Inc.

PHONE No.: 519-940-4870

FAX No.: 519-940-4871

E-MAIL ADDRESS: robinson@eastmain.com



Ofi Ordovician felsic intrusive rocks
 Omv Ordovician mafic volcanic rocks
 Os Ordovician sedimentary rocks

Ofv Ordovician felsic volcanic rocks
 Oft Ordovician felsic crystal tuff
 X Mineral occurrence with Unique Record Number

Property 29: Stratmat (Delbert VI)
(Base metals)

LOCATION: About 1 mile from the Stratmat Mine at Heath Steele, Northumberland County, NB

NIS: 21 O/8E (1:20 000 sheet 21 O/8b)

OWNER'S NAME AND ADDRESS: Anthony Johnston, 276 Millar Avenue, Miramichi, NB
E1V 3B3

PROPERTY DESCRIPTION: Six claims (group 3315) currently in good standing until 5 November, 2001.

MAIN MINERAL/ELEMENT: Base metals

SECONDARY MINERALS/ELEMENTS: Gold, silver

NATURE OF MINERALIZATION: Heath Steele-type ore body. Small spring brook that runs out of a steep-sided hill has anomalous silt samples, e.g., 1600 ppm Pb, 1575 ppm Zn.

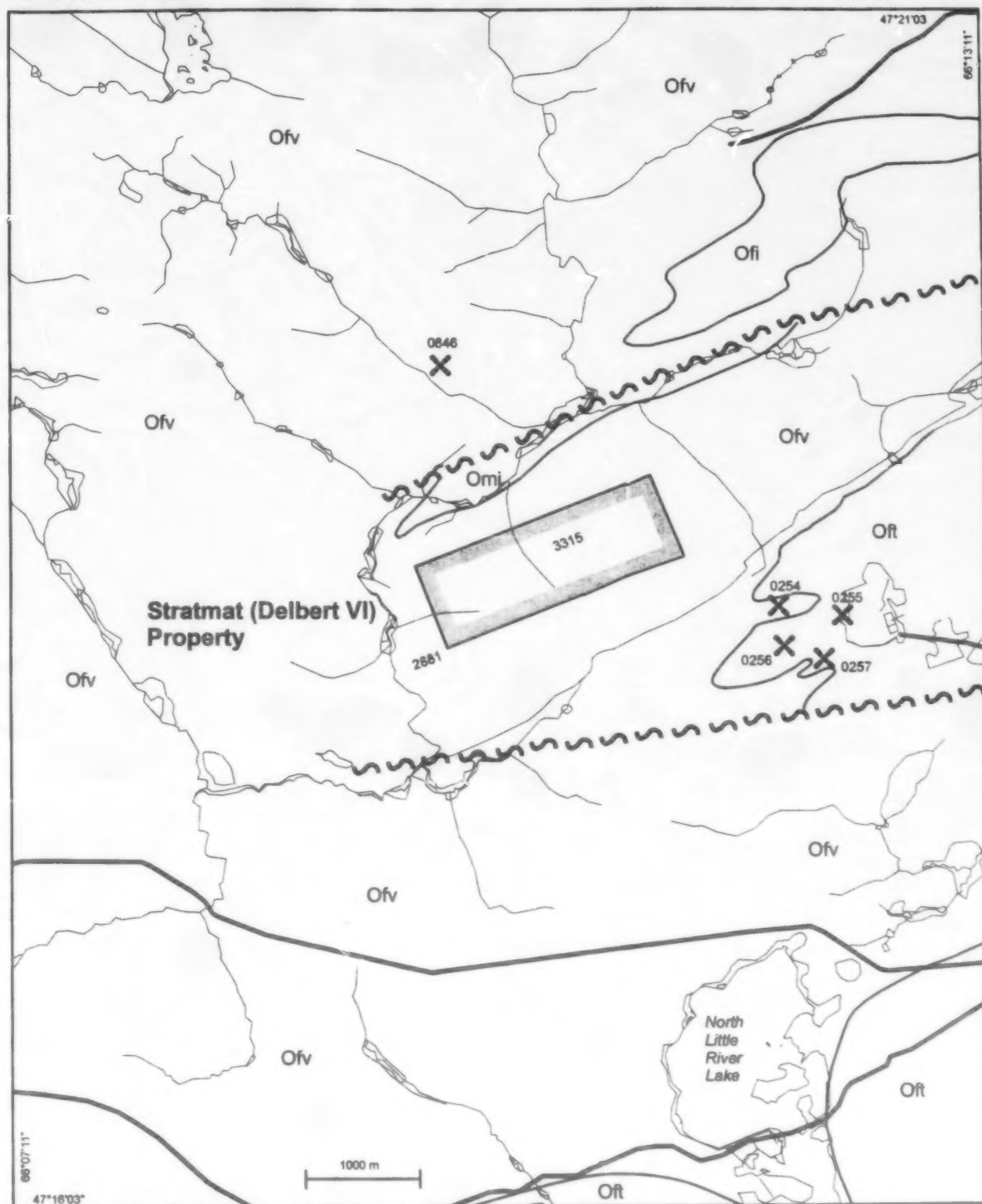
EXPLORATION HISTORY: 1957 Baie Syndicate self-potential anomalies (never followed up). Trenches by Noranda Mining showed coincident soils and VLF anomalies. The trenches showed that the sediments are similar to the sulphide-bearing host rock of Stratmat. Trench 1: 7-10% pyrite, 13 ppm Cu, 1180 ppm Pb, 316 ppm Zn, 0.7 ppm Ag, and 10 ppb Au. Trench 2: 89 ppm Cu, 1160 ppm Pb, 260 ppm Zn, 0.6 ppm Ag, and 10 ppb Au.

RECOMMENDED WORK: This property contains unexplained anomalous silt samples, mineralized sedimentary horizon similar to that found at the Stratmat deposit. Further work such as a deep EM or gravity survey to test the mineralized sedimentary horizon at depth is recommended.

CONTACT PERSON: Delbert Johnston
PHONE No.: 506-622-1958
FAX No.:

PARTNER: Anthony (Tony) Johnston

E-MAIL ADDRESS:



- Omi Ordovician mafic intrusive rocks
- Ofi Ordovician felsic intrusive rocks
- Ofv Ordovician felsic volcanic rocks
- Oft Ordovician felsic crystal tuff
- X Mineral occurrence with Unique Record Number

**Property 30: Black Mountain
(Zn, Pb)**

LOCATION: Riley Brook area, NB

NTS: 21 O/3E (1:20 000 sheet 21 O/3h)

OWNER'S NAME AND ADDRESS: Miramichi Minerals Ltd., 114 Halcomb Road, Lyttleton, NB
E9E 1W5

PROPERTY DESCRIPTION: Sixty-five claims (group 2892) comprise 1800-ha property with several years assessment work; currently in good standing until 16 February, 2001.

MAIN MINERAL/ELEMENT: Zinc

SECONDARY MINERALS/ELEMENTS: Lead, copper

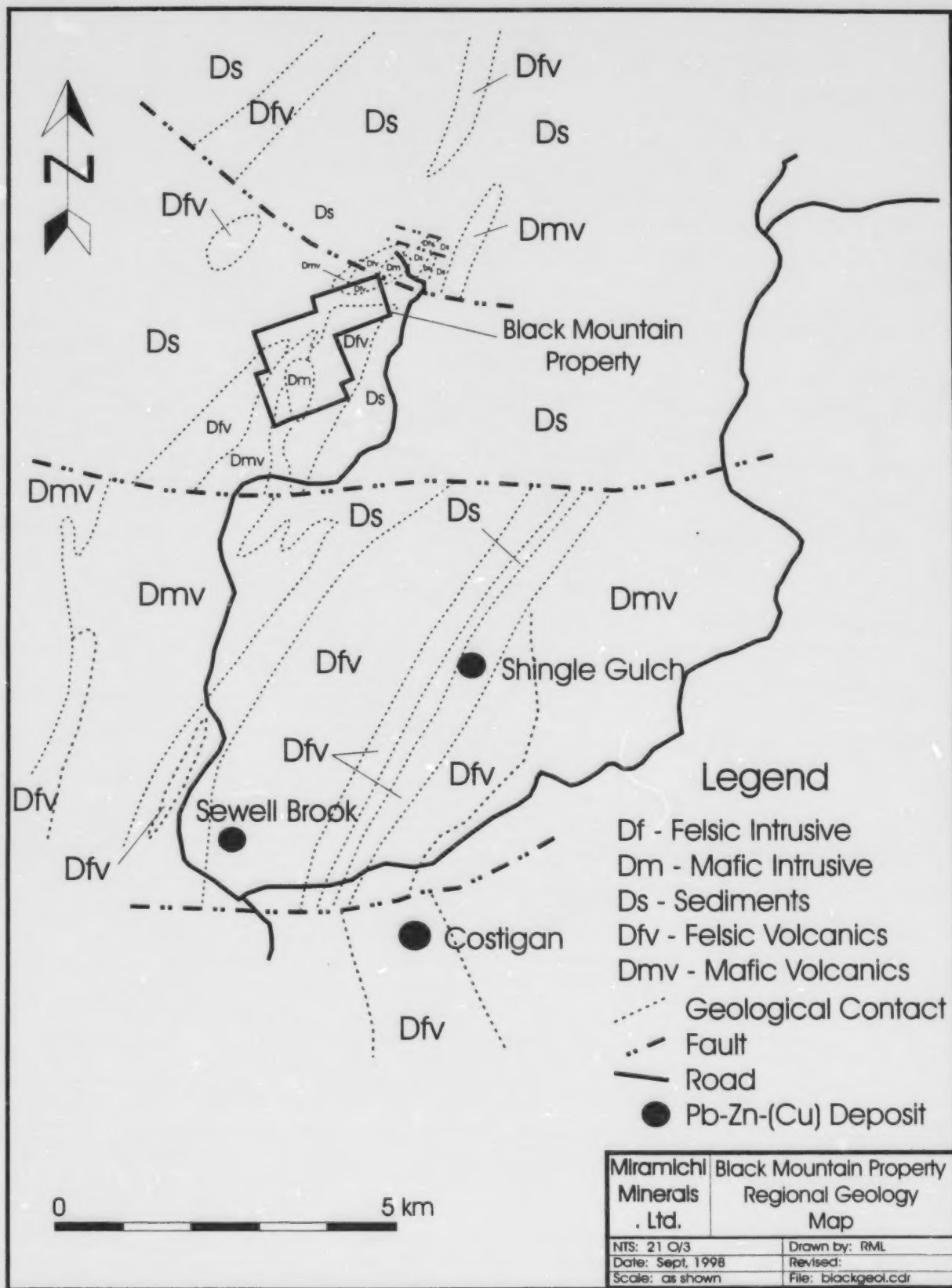
NATURE OF MINERALIZATION: VMS style Pb-Zn mineralization. Drilling indicates extensive alteration zone with up to 1.29% lead + zinc in altered rhyolite breccia. Also, 10-m thick mafic tuff with anomalous zinc (up to 8225 ppm) and lead (up to 4832 ppm).

EXPLORATION HISTORY: IP surveys, soil geochemistry, and prospecting in 1996 were followed by diamond drilling in 1997.

RECOMMENDED WORK: Trenching and further diamond drilling.

CONTACT PERSON: Mert Stewart
PHONE No.: 506-836-7300
FAX No.: 506-622-8392

PARTNER:
E-MAIL ADDRESS:



**Property 31: Taffy Lake
(Pb, Zn, Ag)**

LOCATION: 7 km northeast of Millville; 50 km northeast of Fredericton. Claims centred at 46°10' N Latitude, 67°08' E Longitude. Good access.

NTS: 21 J/3E (1:20 000 sheet 21 J/3g)

OWNER'S NAME AND ADDRESS: Patrick Marr, 20 Rte 585, Hawkins Corner, NB E6E 1M7

PROPERTY DESCRIPTION: One claim (group 0993) currently in good standing until 24 August, 2001.

MAIN MINERAL/ELEMENT: Lead, zinc, silver

SECONDARY MINERALS/ELEMENTS: Gold

NATURE OF MINERALIZATION: Grab sample = 13.4% combined Pb/Zn. One-metre channel sample = 6% Pb/Zn, 10.28 g/t Ag, 0.08 g/t Au stringer / remobilized sulphides in Ordovician felsic volcanic (Tetagouche) sequence. Potential stratabound / stratiform.

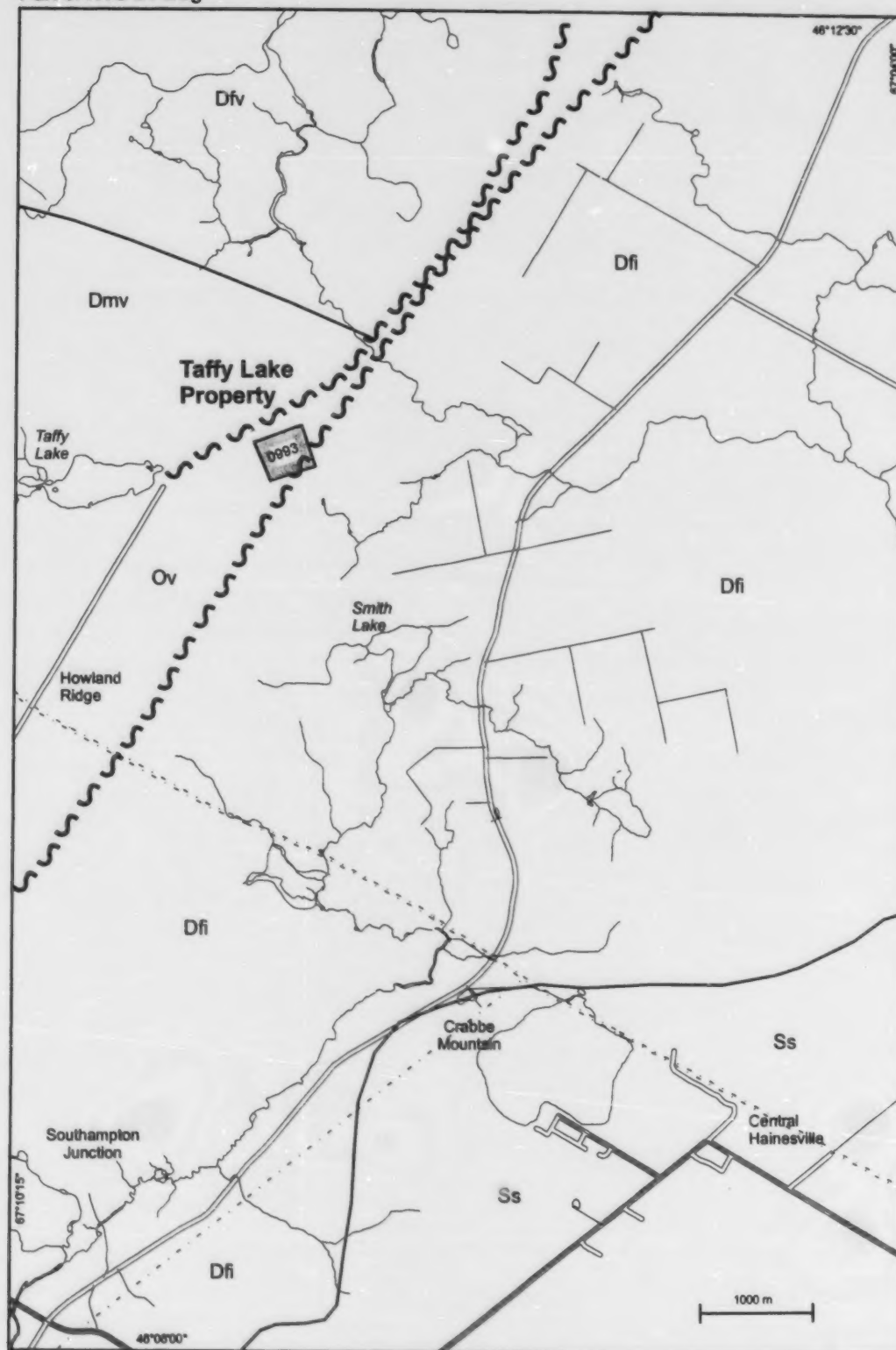
EXPLORATION HISTORY: Ground HLEM and MAG surveys. Geochemical survey and one short drill hole.

RECOMMENDED WORK: Compilation of geological data to determine structure and nature of mineralization as an aid to a trenching / drilling program.

CONTACT PERSON: Patrick Marr
PHONE No.: 506-463-8287
FAX No.: 506-463-0108

PARTNER:

E-MAIL ADDRESS:



Dfi Devonian felsic intrusive rocks
 Dfv Devonian felsic volcanic and minor sedimentary rocks
 Dmv Devonian mafic volcanic rocks

Ss Silurian sedimentary rocks
 Ov Ordovician volcanic and sedimentary rocks

**Property 32: Eel River
(Pb, Zn, Ag)**

LOCATION: Approximately 75 km west of Fredericton and 20 km south of Woodstock, west-central NB.

NTS: 21 G/13E (1:20 000 sheet 21 G/13h)

OWNER'S NAME AND ADDRESS: Patrick Marr, 20 Rte. 585, Hawkins Corner, NB E6E 1M7

PROPERTY DESCRIPTION: Twenty-nine claims (groups 3827, 3831, 3832, 3374, 3348, 3334, and 3821) currently in good standing with the majority of the claims up for renewal in November and December 2001.

MAIN MINERAL/ELEMENT: Pb, Zn, Ag

SECONDARY MINERALS/ELEMENTS: Cu, Au

NATURE OF MINERALIZATION: High-grade massive sulphide clasts in volcanoclastic debris flow/coarse fragmentals. Drill logs note clasts containing up to 50% Pb, Zn (40% Zn, 10% Pb). Clast assay: 16.9% Zn, 5.6% Pb, 386 ppm Cu, 90.4 ppm Ag, 220 ppb Au. Property also hosts large prominent geochemical anomalies, stratiform massive pyrite, bedded chert, and iron formation.

Property is located in the southwestern extension of the Bathurst Camp (Tetagouche volcanic rocks) and exhibits VMS signatures similar to Buchans deposit, Newfoundland.

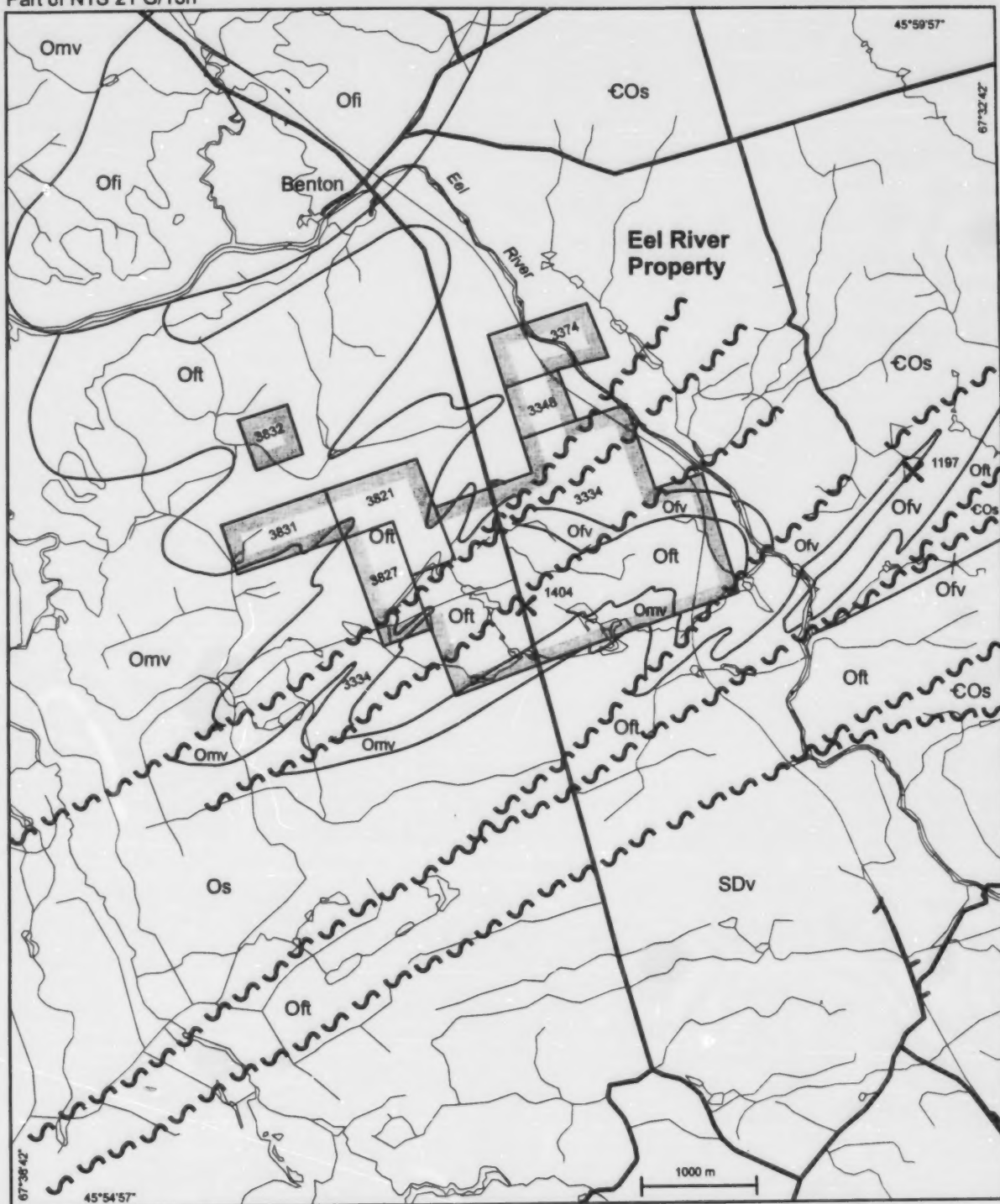
EXPLORATION HISTORY: 1. 1955 - Stratmat Limited; geochemical survey, EM survey, one drill hole, 2. 1992 to 1997 - BHP Minerals; airborne survey, geochemical survey, IP survey, 9 drill holes., 3. 1998 - Phelps Dodge Corporation completed property evaluation. Results positive for VMS.

RECOMMENDED WORK: Recent property mapping by provincial geologist indicates extension of ore horizon which has not been tested. Recommend IP survey and drilling.

CONTACT PERSON: Patrick Marr
PHONE No.: 506-463-8287
FAX No.: 506-463-0108

PARTNER:

E-MAIL ADDRESS:



SDv Siluro-Devonian volcanic and sedimentary rocks
 Ofi Ordovician granite
 Os Ordovician sedimentary rocks
 Omv Ordovician mafic volcanic and minor sedimentary rocks

Of Ordovician felsic tuffs and minor sedimentary rocks
 Ofv Ordovician felsic flows and minor sedimentary rocks
 Oos Cambro-Ordovician sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 33: Otter Lake
(Base metals)**

LOCATION: Charlotte County, NB

NTS: 21 G/7E (1:20 000 sheet 21 G/7h)

OWNER'S NAME AND ADDRESS: Reg Cox, 106 Maddison Avenue, Fredericton, NB E3A 2N4

PROPERTY DESCRIPTION: Eight claims (groups 1742, 3542, and 3551) currently in good standing until 9 December 2001, 22 March 2001, and 31 March 2001, respectively.

MAIN MINERAL/ELEMENT: Copper, lead, zinc

SECONDARY MINERALS/ELEMENTS: Gold

NATURE OF MINERALIZATION: Au-arsenopyrite-quartz lode vein system. Base metals potential for SEDEX-type deposit.

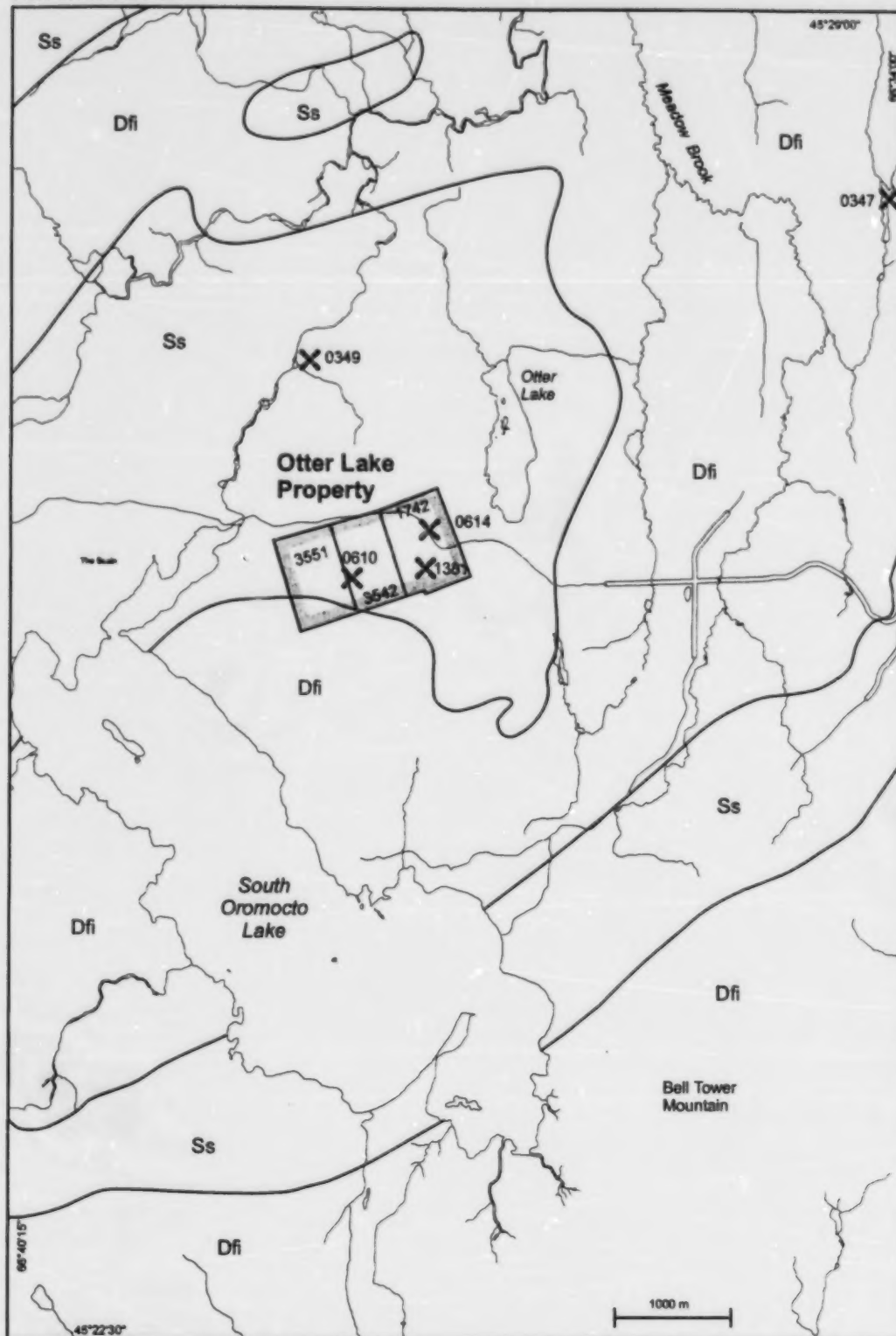
EXPLORATION HISTORY: Limited trenching, geophysics, drilling. Grab samples up to 6.25% Pb, 4.5% Zn, 596 g/t Ag, and 14 g/t Au. Drilling 0.38 m of 8.54 g/t Au and 2.44% Pb, 1.65% Zn and 32.9 g/t Ag.

RECOMMENDED WORK: Trenching, geophysics, drilling.

CONTACT PERSON: Reg Cox
PHONE No.: 506-453-9086
FAX No.:

PARTNER:

E-MAIL ADDRESS:



Dfi Devonian felsic intrusive rocks
 Ss Silurian sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 34: Taylor Brook
(Zn, Pb)**

LOCATION: Approximately 35 km southwest of Bathurst and 5 km north of Heath Steele. The claims contain the Taylor Brook Deposit (URN 0400), which lies about 6 km along strike east of the Stratmat deposits and 3 km south of the Nepisiguit deposits.

NTS: 21 O/8E, 21 P/5W (1:20 000 sheets 21 O/8a, 21 P/5d)

OWNER'S NAME AND ADDRESS: Stratabound Minerals Corp., Suite 518, 222-58th Ave. SW, Calgary, AB T2H 2S3

PROPERTY DESCRIPTION: Total of 90 claims comprises the Taylor Brook (1839) and Taylor Brook East Extension (2723) claim groups. All are owned 100% by Stratabound and are currently in good standing until 27 October 2002 and 11 July 2002, respectively, with excess work credits. This group is contiguous with Stratabound's Nepisiguit Brook Property to the south.

MAIN MINERAL/ELEMENT: Sphalerite, galena

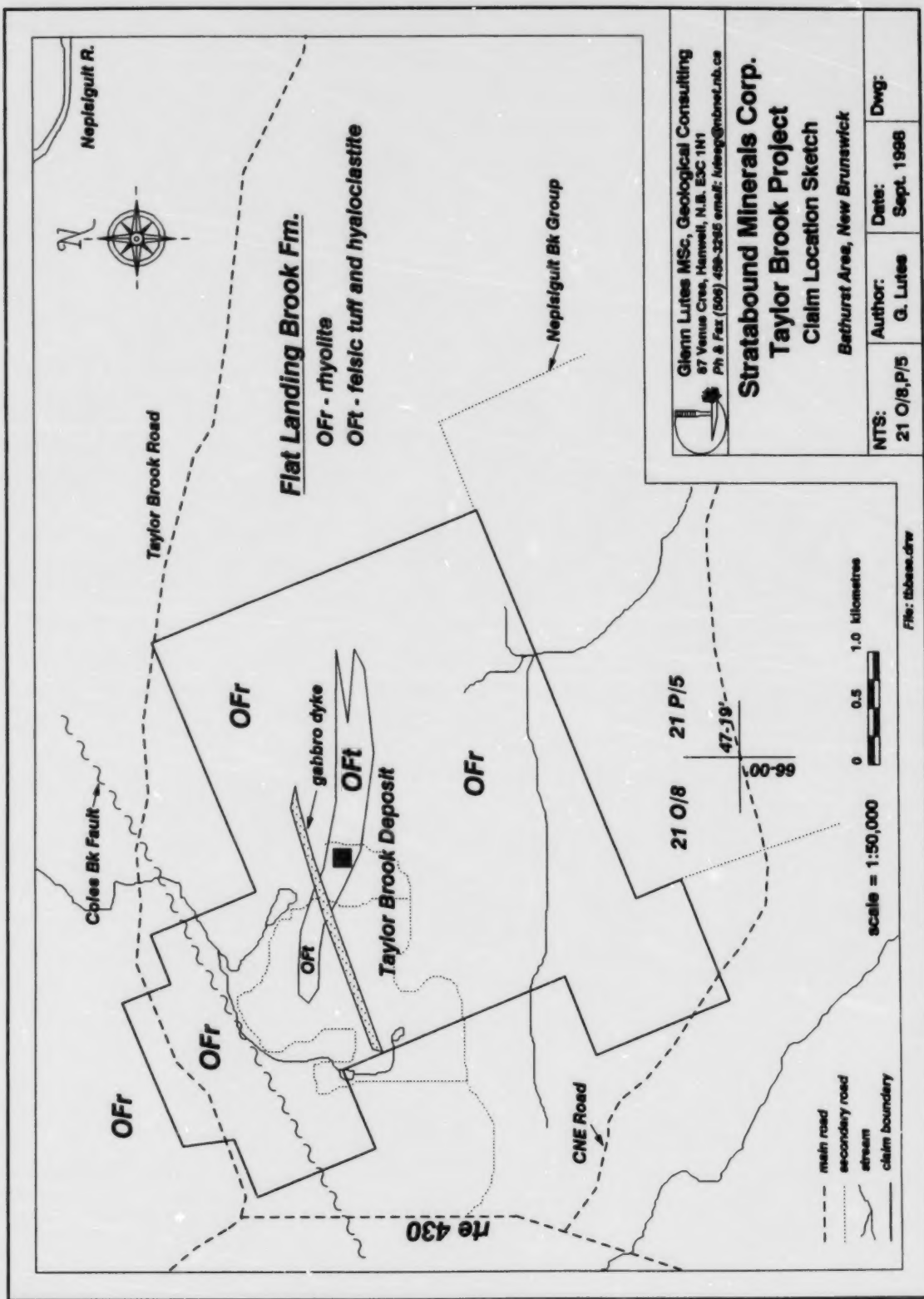
SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Stratmat-type stratiform VMS within Flat Landing Brook Formation. Best intercepts: TBD95-16 (9.2 ft. [~2.9 m] at 5.3% Zn, 3.5% Pb, 4.8 oz./ton [~164.5 g/t] Ag), TBD96-17 (3.1 ft. [~.94 m] at 9.75% Zn, 6.20% Pb, 3.01 oz./ton [~103.13 g/t] Ag, and 3.0 ft. [~.9 m] at 8.64% Zn, 4.17% Pb, 2.32 oz./ton [~79.49 g/t] Ag). Deepest intercept: TBD96-19 (13.12 ft. [~4 m] at 1.45% Zn, 0.65% Pb, 0.79 oz./ton [~27.07 g/t] Ag).

EXPLORATION HISTORY: The Taylor Brook Deposit was discovered in 1977 by Consolidated Morrison drilling a Questor AEM. Prior to 1995, ten DDH had tested the eastern, pyrite-rich, conductive section of the deposit to shallow depths. In 1995, Stratabound drilled the west end of the deposit and discovered shallow, potentially economic grades and widths of lead-zinc mineralization. A total of 16 holes (2,098 m) was completed in 1995. The down-dip extension of the west end of the deposit was explored with ten holes in 1996 and included borehole and surface EM37 surveys. Grid extensions both to the northwest and east of the Taylor Brook Deposit were undertaken in 1996-97 and covered with blanket soils and complete MAG/VLF coverage. IP surveys and 11 DDH were completed in 1996. This work located new zones of mineralization along strike both to the northwest and east of the deposit. In 1997, a high-power RealSection IP survey at the east end of the deposit demonstrated continuity of these new zones to depth. To date, Stratabound has completed 37 holes (total of 7,455 m) on the Taylor Brook Property, which has explored the deposit to approximately 425 m vertical depth and located additional mineralized zones along strike both to the east and northwest of the deposit.

RECOMMENDED WORK: The west end of the Taylor Brook Deposit remains open to depth, and is recommended for deep drilling complemented with borehole geophysics. The east end has only been drill tested to shallow depth and completed RealSection IP should be drill tested.

CONTACT PERSON: Mr. Stan Stricker	PARTNER: none
PHONE No.: 403-258-3630	
FAX No.: 403-259-4389	E-MAIL ADDRESS: stricker@cadvision.com



Glenn Lutes MSc, Geological Consulting
 87 Venus Cres, Hamwell, N.B. E3C 1N1
 Ph & Fax (506) 498-3265 email: glenn@glennlutes.ca

Stratabound Minerals Corp.

Taylor Brook Project
Claim Location Sketch

Bathurst Area, New Brunswick

NTS:	Author:	Date:	Dwg:
21 O/8, P/5	G. Lutes	Sept. 1998	

**Property 35: Nepisiguit Brook
(Zn, Pb)**

LOCATION: Approximately 35 km southwest of Bathurst and 3.5 km east of Heath Steele. The claims contain several recently discovered zones of both stringer and stratiform Zn-Pb mineralization which are on strike east of the Heath Steele B Zone.

NTS: 21 O/8E, 21 P/5W (1:20 000 sheets 21 O/8a, 21 P/5d)

OWNER'S NAME AND ADDRESS: Stratabound Minerals Corp., Suite 518, 222-58th Ave. SW,
Calgary, AB T2H 2S3

PROPERTY DESCRIPTION: Total of 42 claims in this group (2720) currently in good standing until 10 July, 2002 with excess work credits; these claims are contiguous with Stratabound's Taylor Brook Property to the north and their Tomogonops River Property to the south. All are owned 100% by Stratabound.

MAIN MINERAL/ELEMENT: Sphalerite, galena

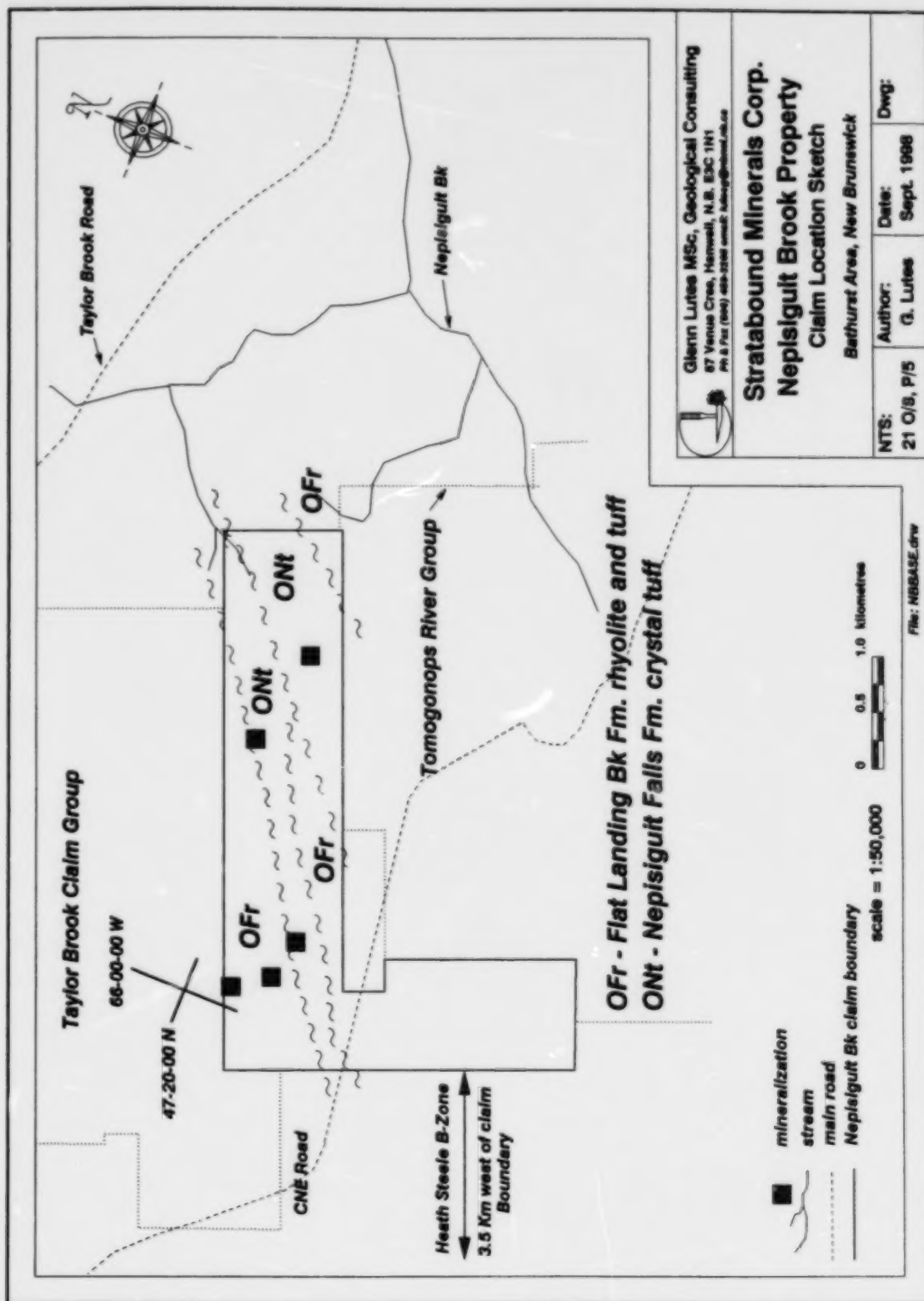
SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Two stringer zones discovered in Flat Landing Brook Formation (FLB) by recent drilling grade up to 8.70% Zn/10 cm and 2.96% Zn+Pb/2.0 m. Stratiform pyritic mineralization and magnetite iron formation discovered along FLB-Nepisiguit Falls tuff (NF) contact. Strong zone of pyrrhotite-bearing chloritic tuff with local bedded pyrite and extensive Zn-Pb enrichment discovered within NF, several hundred metres of strike length indicated by geophysics.

EXPLORATION HISTORY: Cut grid with MAG, VLF, and soils in 1997. Limited gravity tests in 1997. Twenty drill holes in 1997-98 tested geophysical and geochemical anomalies. Several new zones of mineralization discovered.

RECOMMENDED WORK: EM37 Survey of recently discovered mineralized horizons to detect massive sulphide targets for additional drill testing.

CONTACT PERSON: Mr. Stan Stricker	PARTNER: none
PHONE No.: 403-258-3630	
FAX No.: 403-259-4389	E-MAIL ADDRESS: stricker@cadvision.com



Glenn Lutes MSc, Geological Consulting
 87 Venus Cres, Harnwell, N.B. E5C 1N1
 PH & FAX (506) 458-2288 email: glenn@glenn-lutes.ca

Stratabound Minerals Corp.
Nepisiguit Brook Property
Claim Location Sketch
 Bathurst Area, New Brunswick

NTS:	Author:	Date:	Dwg:
21 O/S, P/S	G. Lutes	Sept. 1998	

File: NRBASE.dwg

**Property 36: Tomogonops River
(Zn, Pb)**

LOCATION: Approximately 35 km southwest of Bathurst and 3 km east of the Heath Steele mine site.

NTS: 21 P/5W (1:20 000 sheet 21 P/5d)

OWNER'S NAME AND ADDRESS: Stratabound Minerals Corp., Suite 518, 222-58th Ave. SW,
Calgary, AB T2H 2S3

PROPERTY DESCRIPTION: Total of 142 claims (groups 3356 and 2884), owned 100% by Stratabound and currently in good standing until 24 February 2001 and 7 February 2001, respectively, with excess work credits. The property is contiguous with Stratabound's Nepisiguit Brook Property.

MAIN MINERAL/ELEMENT: Sphalerite, galena

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: A broad, untested soil anomaly extends across the northern half of the property. A zone of pyritic alteration is located within Nepisiguit Falls Formation in the NE corner of the property and assays up to 454 ppm Pb and 1920 ppm Zn. Mineralized float from an unknown source has recently been discovered in the centre of the property; it assays up to 7% Pb and 2% Zn. Drilling in the up-ice direction has located a mineralized zone that assays up to 0.29% Pb and 0.49% Zn over 0.5 m.

EXPLORATION HISTORY: Newmont completed MAG-VLF surveys and soil sampling at the north end of the property in 1974-75. Rio Algom completed some MAG, MaxMin and gravity in 1989-90. Stratabound has established an extensive cut grid in the northern portion of the property and completed MAG-VLF, blanket soils, grid mapping, limited gravity and four drill holes.

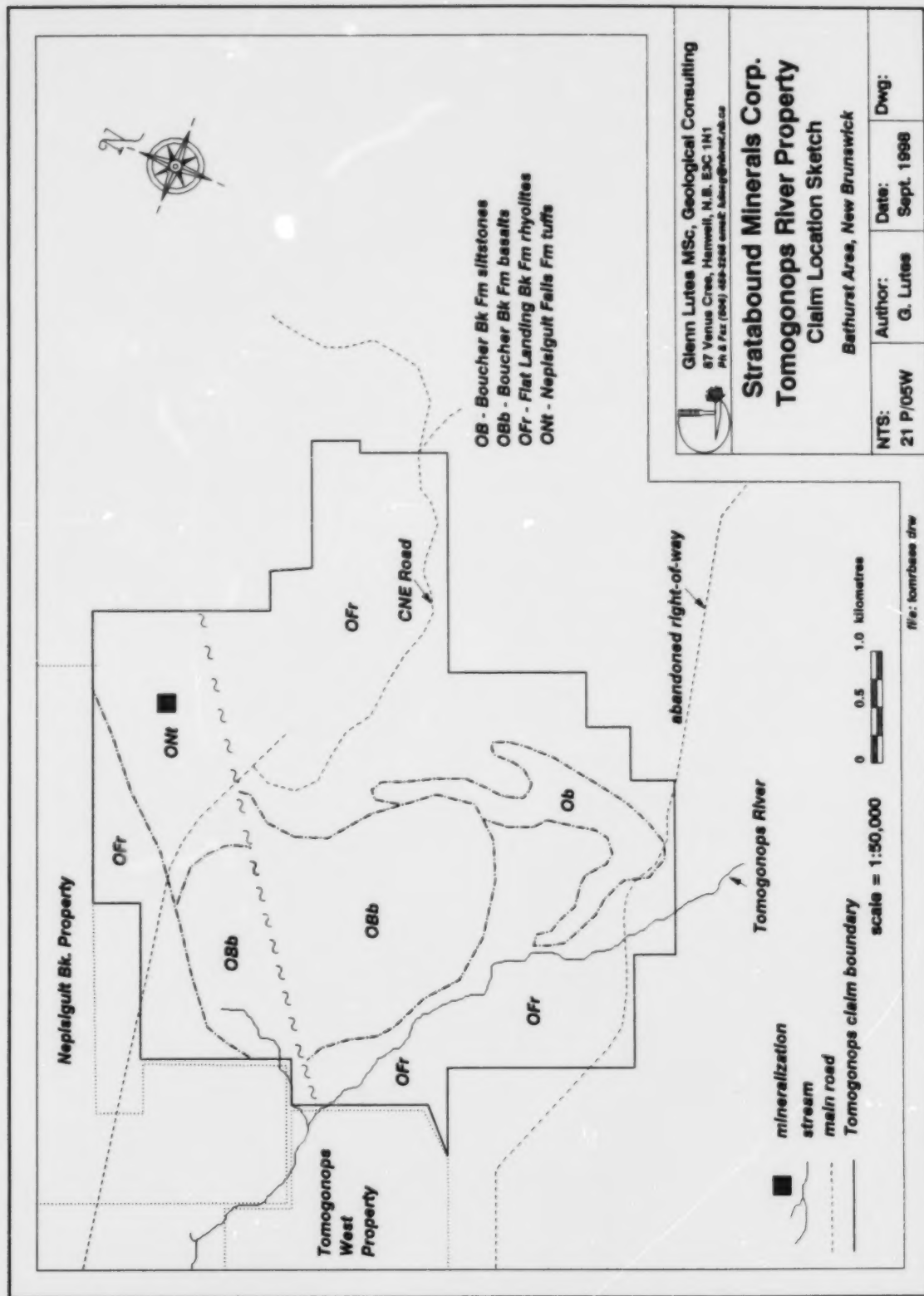
RECOMMENDED WORK: Continued exploration of MAG-EM targets identified from the recent NB airborne survey. IP and/or EM37 follow-up surveys over known mineralized zones followed by drill tests and borehole geophysics. Testing of soil geochemical anomalies.

CONTACT PERSON: Mr. Stan Stricker **PARTNER:** none

PHONE No.: 403-258-3630

FAX No.: 403-259-4389

E-MAIL ADDRESS: stricker@cadvision.com



**Property 37: Tomogonops West
(Zn, Pb)**

LOCATION: Approximately 40 km southwest of Bathurst and contiguous with the Heath Steele mining licence.

NTS: 21 O/8E, 21 P/5W (1:20 000 sheets 21 O/8a, 21 P/5d)

OWNER'S NAME AND ADDRESS: Stratabound Minerals Corp., Suite 518, 222-58th Ave. SW,
Calgary, AB T2H 2S3

PROPERTY DESCRIPTION: Total of 21 claims in this group (3184), owned 100% by Stratabound and currently in good standing until 5 March, 2001 with excess work credits. The property is contiguous with Stratabound's Nepisiguit Brook and Tomogonops River properties.

MAIN MINERAL/ELEMENT: Sphalerite, galena

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Zone of pyritic alteration along contact between Nepisiguit Falls tuff and Flat Landing Brook Formation rhyolite and tuff. Alteration carries elevated values of Pb to 594 ppm and Zn to 894 ppm.

EXPLORATION HISTORY: Mattagami Lake Exploration (1982) conducted MAG and IP. Ten IP zones identified and partially tested with four drill holes. Brunswick Mining and Smelting (1990) completed MAG and VLF. Multiple VLF-EM anomalies were attributed to bedrock contacts. Stratabound has completed a cut grid with MAG, VLF-EM coverage and blanket soils over approximately 75% of the claim area.

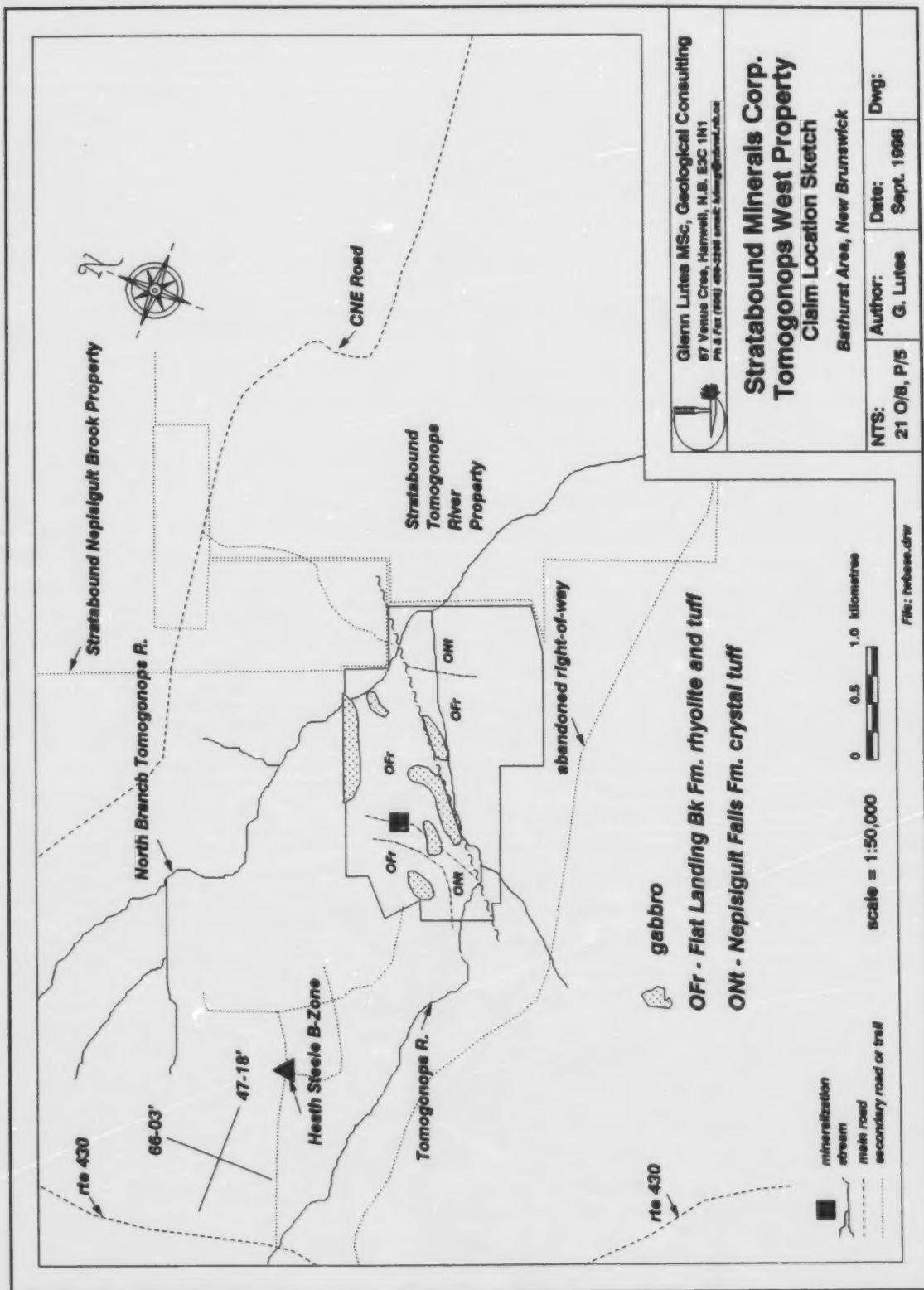
RECOMMENDED WORK: EM37 or RealSection IP Survey over known alteration zone, drill testing, and borehole EM. Follow-up extensive soil anomalies.

CONTACT PERSON: Mr. Stan Stricker **PARTNER:** none

PHONE No.: 403-258-3630

FAX No.: 403-259-4389

E-MAIL ADDRESS: stricker@cadvision.com



**Property 38: CNE-Captain
(Zn, Pb)**

LOCATION: Approximately 35 km southwest of Bathurst. The property lies 20 km south of Brunswick #12, 13 km east of the Heath Steele mine, and contains both the CNE mine and Captain deposit.

NTS: 21 P/5W (1:20 000 sheets 21 P/5c, d)

OWNER'S NAME AND ADDRESS: Stratabound Minerals Corp., Suite 518, 222-58th Ave. SW,
Calgary, AB T2H 2S3

PROPERTY DESCRIPTION: Total of 95 claims (groups 1564, 1575, 1929, 2082, 2251) and one mining licence in this group, owned 100% by Stratabound and currently in good standing with excess work credits.

MAIN MINERAL/ELEMENT: Sphalerite, galena

SECONDARY MINERALS/ELEMENTS: Chalcopyrite, gold

NATURE OF MINERALIZATION: The property is underlain by felsic volcanic and sedimentary rocks of the Nepisiguit Falls Formation, which host two sulphide deposits: 1. **CNE:** Bulk sample (1990) of 11 100 t at 5.57% Pb, 12.00% Zn, 173 g/t Ag. Profitable open-pit mining in 1991-92 produced 14 559 t at 4.82% Pb, 11.94% Zn, 152 g/t Ag (campaign 1) and 13 619 t at 2.82% Pb, 7.65% Zn, 98 g/t Ag (campaign 2). The CNE deposit has produced the best milling ore in the Bathurst Camp. Remaining mineable open-pit reserves are estimated at 75 490 t averaging 7.3% Zn, 2.6% Pb, and 88 g/t Ag. Geological reserves are 161 508 t at 7.8% Zn, 2.8% Pb, and 90 g/t Ag. An additional *en echelon* lens remains unexplored below lens 4 on L162+50N. It was intersected by only one drill hole (ddh 89-16), which returned 7.0 m at 6.30% Zn, 3.68% Pb, and 2.90 oz./ton (99.36 g/t) Ag. 2. **Captain:** 197 000 t geological reserve at 2.1% Cu, 0.017 oz./ton (~0.582 g/t) Au, and 0.3 oz./ton (~10.3 g/t) Ag.

EXPLORATION HISTORY: Extensive exploration database includes comprehensive soil and rock geochemistry, MAG, VLF, EM, gravity, and diamond drilling.

RECOMMENDED WORK: Additional drilling in vicinity of CNE pit to increase reserves. EM37 and/or RealSection IP over EM, MAG targets along strike south of the deposit area. Deep drill testing and downhole geophysics.

CONTACT PERSON: Mr. Stan Stricker **PARTNER:** none

PHONE No.: 403-258-3630

FAX No.: 403-259-4389

E-MAIL ADDRESS: stricker@cadvision.com

NOTES

COPPER SKARN DEPOSITS

**Property 39: Beresford
(Cu)**

LOCATION: Due east/southeast of Nicholas Denys.

NTS: 21 P/12W (1:20 000 sheet 21 P/12f)

OWNER'S NAME AND ADDRESS: Ralph V. Stewart, 244 Keewatin St. S., Oshawa ON
L1H 6Z8

PROPERTY DESCRIPTION: Eight mining claims (group 3355) currently in good standing until 18 February 2001, covering 200 000 tons of copper ore (see below), and a number of high-grade silver and anomalous gold showings.

MAIN MINERAL/ELEMENT: Copper

SECONDARY MINERALS/ELEMENTS: Gold, silver

NATURE OF MINERALIZATION: The deposit consists of 3 or more irregular mineralized lenses in a band of skarn associated with the Nicholas Denys granodiorite stock.

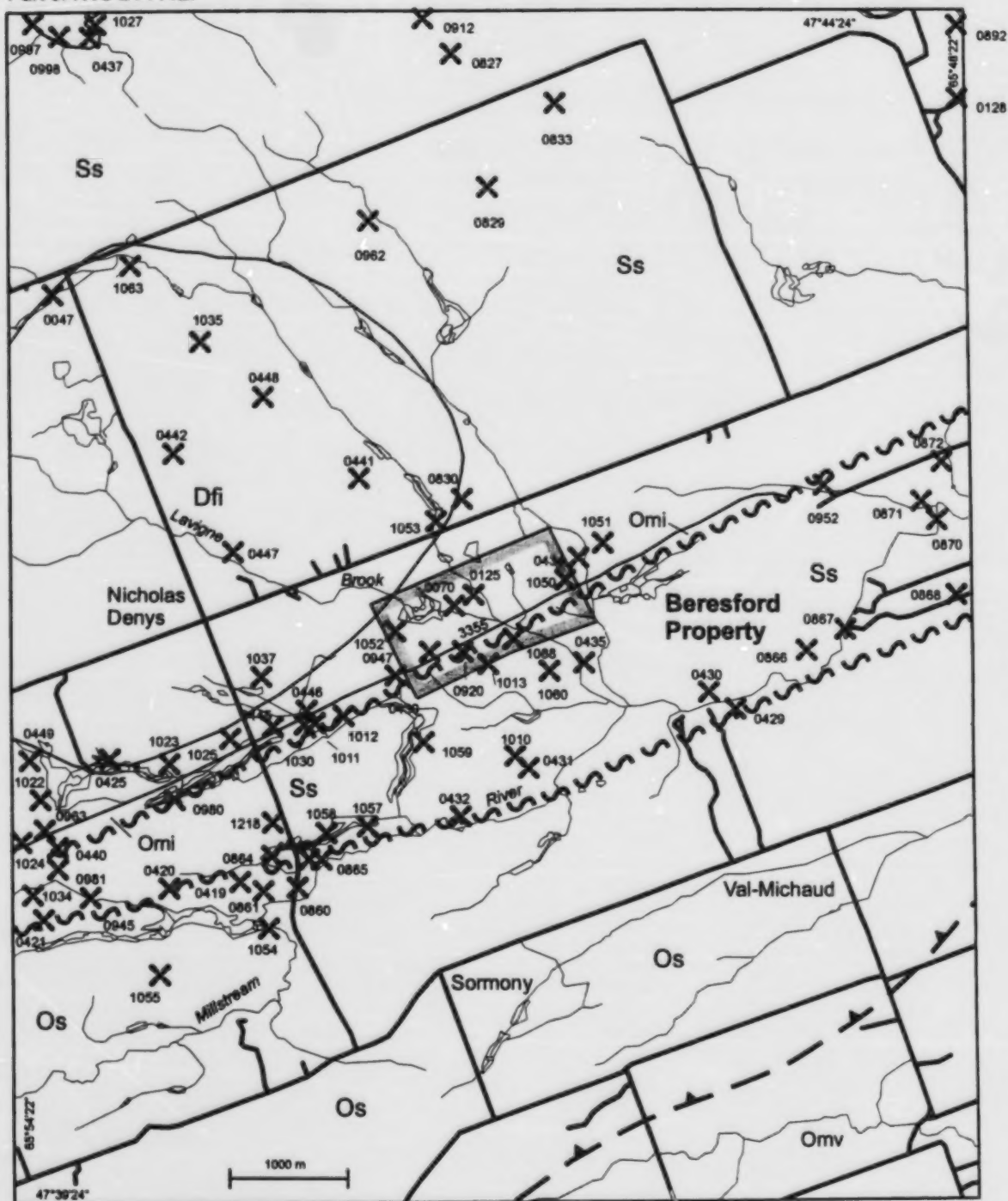
EXPLORATION HISTORY: 1952-Diamond drilling outlined 200 000 tons of copper ore grading 2.00% Cu. Other exploration (drilling, geological mapping, geophysics, stripping, and sampling) points to the potential of associated gold and silver ore, both within and outside the copper ore zone.

RECOMMENDED WORK: Stripping, sampling, geological mapping and diamond drilling.

CONTACT PERSON: Ralph V. Stewart
PHONE No.: 905-725-5725
FAX No.: 905-725-2798

PARTNER:

E-MAIL ADDRESS: rvs@osha.igs.net



Dfi Devonian felsic intrusive rocks
 Ss Silurian sedimentary rocks
 Omi Ordovician ultramafic rocks

Os Mainly Ordovician sedimentary rocks
 Omv Mainly Ordovician mafic volcanic rocks
 X Mineral occurrence with Unique Record Number

NOTES

SEDIMENTARY SULPHIDE DEPOSITS

**Property 40: Peekaboo Corner
(Pb, Zn, Ag, high-calcium limestone)**

LOCATION: Forty-six km northeast of Saint John, 15 km southwest of Sussex along Route 1, 2.5 km northwest of Norton on Route 865.

NTS: 21 H/12E (1:20 000 sheet 21 H/12g)

OWNER'S NAME AND ADDRESS: Norton Energy Corp., 115 Whalen Street, Miramichi, NB
E1V 3Y2

PROPERTY DESCRIPTION: Thirty claims (group 3768) currently in good standing until 14 July, 2001.

MAIN MINERAL/ELEMENT: Lead, zinc, silver, high-calcium limestone (Gayes River)

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Mississippi Valley Type (replacement in limestone)

EXPLORATION HISTORY: Known since late 1800s. Soil and silt geochemistry, VLF, magnetic, gravity, and drilling was done in late 1970s by Rio Tinto.

RECOMMENDED WORK: Compile data, re-log drill holes, propose drilling along potential horizon.

CONTACT PERSON: Derek Brown **PARTNER:**

PHONE No.: 506-627-1354

FAX No.: 506-627-1328

MAIL ADDRESS: explore@slamexploration.com



ESft	Early Silurian felsic lithic tuff
ESmt	Early Silurian mafic tuff
X	Mineral occurrence with Unique Record Number

NOTES

PORPHYRY COPPER, MOLYBDENUM DEPOSITS

**Property 41: Connell Mountain
(Cu)**

LOCATION: Two to four miles SSE of Woodstock, NB

NTS: 21 J/4E (1:20 000 sheet 21 J/4a,h)

OWNER'S NAME AND ADDRESS: Ralph V. Stewart, 244 Keewatin St. S., Oshawa ON
L1H 6Z8

PROPERTY DESCRIPTION: Nine claims (groups 2666 and 3047) currently in good standing until 12 April 2001 and 30 July 2001, respectively.

MAIN MINERAL/ELEMENT: Copper

SECONDARY MINERALS/ELEMENTS: Molybdenum/gold

NATURE OF MINERALIZATION: Porphyry-type - Gibson Granite.

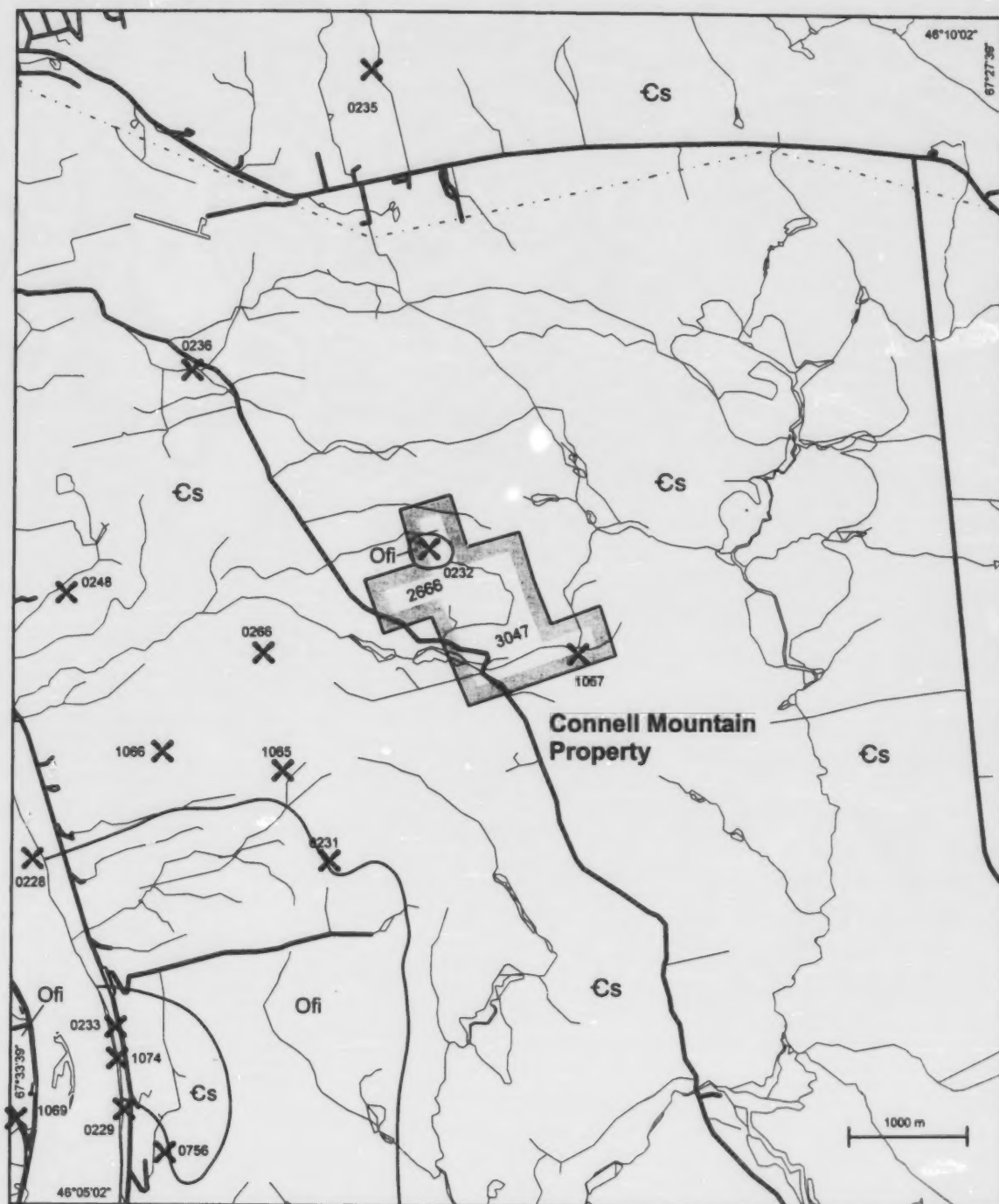
EXPLORATION HISTORY: Exploration in late 1960s and early 1970s outlined 23 million tonnes of possible ore @ 0.25% Cu.

RECOMMENDED WORK: IP, electromagnetic surveys, and diamond drilling.

CONTACT PERSON: Ralph V. Stewart
PHONE No.: 905-725-5725
FAX No.: 905-725-2798

PARTNER:

E-MAIL ADDRESS: rvs@osha.igs.net



- Ofi Ordovician felsic intrusive rocks
- Cs Cambrian sedimentary rocks
- X Mineral occurrence with Unique Record Number

NOTES

UNCONFORMITY - TYPE COPPER DEPOSITS

**Property 42: Fossil Hill
(Native Cu, Ag)**

LOCATION: 4 km north of the Caribou Mine, northern New Brunswick

NTS: 21 O/9W (1:20 000 sheet 21 O/9c)

OWNER'S NAME AND ADDRESS: Log House Construction Ltd., 606 Garden St., Bathurst, NB
E2A 2P6

PROPERTY DESCRIPTION: Twenty claims (group 3229) currently in good standing until 9 June, 2001.

MAIN MINERAL/ELEMENT: Native copper, silver

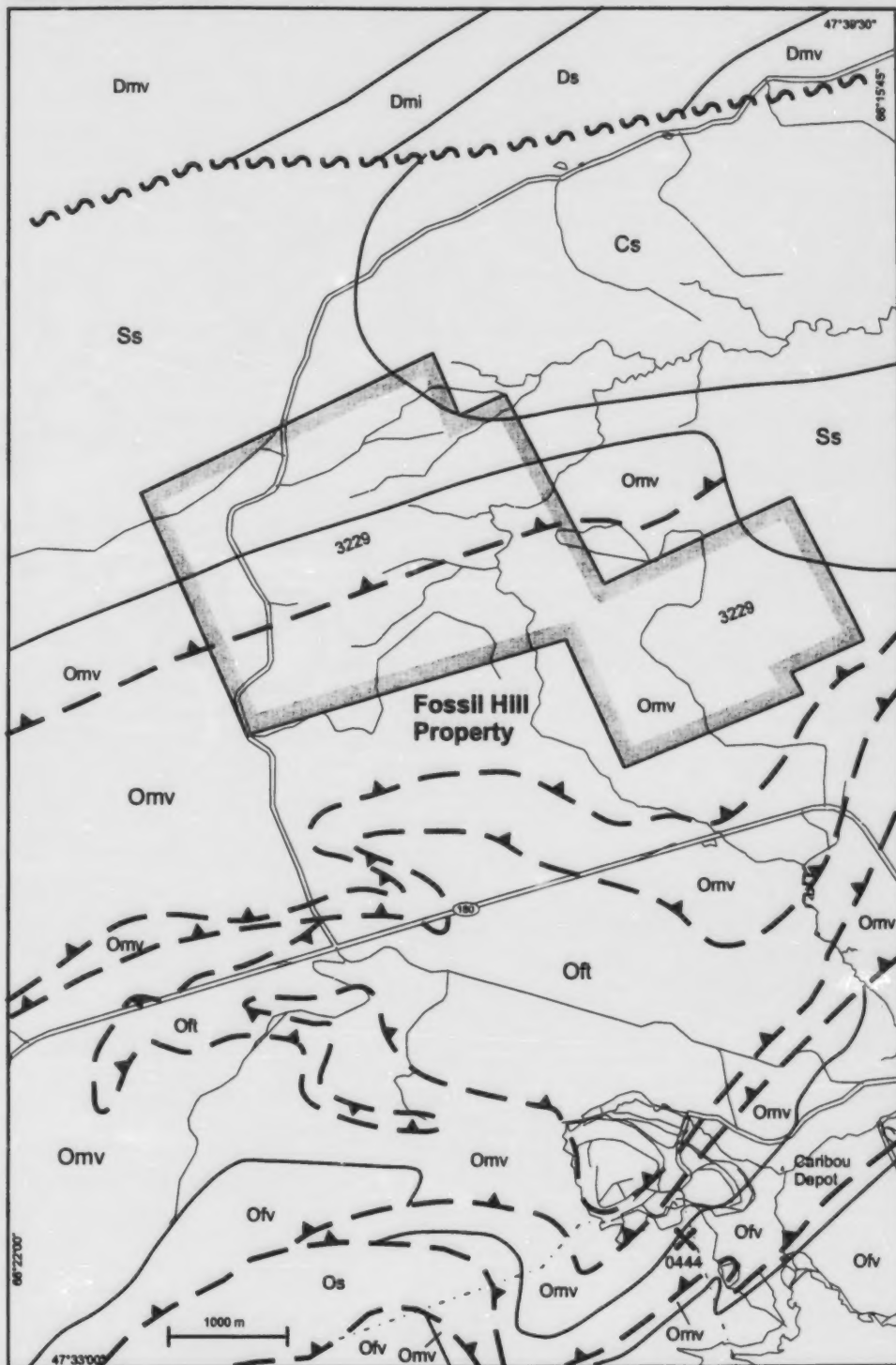
SECONDARY MINERALS/ELEMENTS: Zinc, gold

NATURE OF MINERALIZATION: Mineralization hosted by Ordovician mafic volcanic rocks that are unconformably overlain by Silurian clastic rocks; possibly unconformity-type Cu mineralization.

EXPLORATION HISTORY: Rock samples assayed 45 000 ppm native Cu, 20.0 ppm Ag, 22 000 ppm Zn, and 560 ppb Au. A native Cu soil sample assayed 48 000 ppm.

RECOMMENDED WORK: Soil sampling and trenching.

CONTACT PERSON: Log House Construction Ltd. PHONE No.: 506-546-6283 FAX No.:	PARTNER: E-MAIL ADDRESS:
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Cs	Carboniferous sedimentary rocks	Os	Ordovician sedimentary rocks
Dmi	Devonian mafic intrusive rocks	Omv	Ordovician mafic volcanic; minor sedimentary rocks
Ds	Devonian sedimentary rocks	Ofv	Ordovician felsic volcanic rocks
Dmv	Devonian mafic volcanic rocks	Oft	Ordovician felsic crystal tuff
Ss	Silurian sedimentary rocks	X	Mineral occurrence with Unique Record Number

NOTES

GRANITE - RELATED
(Sn, W, In, Bi, rare earth element, or polymetallic)
DEPOSITS

**Property 43: Lower Tower Hill
(Au)**

LOCATION: Twenty km north of St. Andrews, Charlotte County, NB, and 1 km west of Goldflour's Lower Tower Hill gold occurrences.

NTS: 21 G/6E (1:20 000 sheet 21 G/6b)

OWNER'S NAME AND ADDRESS: Peter Fenety, 94 Queen Street, St. Andrews, NB E5B 1C6

PROPERTY DESCRIPTION: Seven claims (group 3720) currently in good standing until 21 March, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

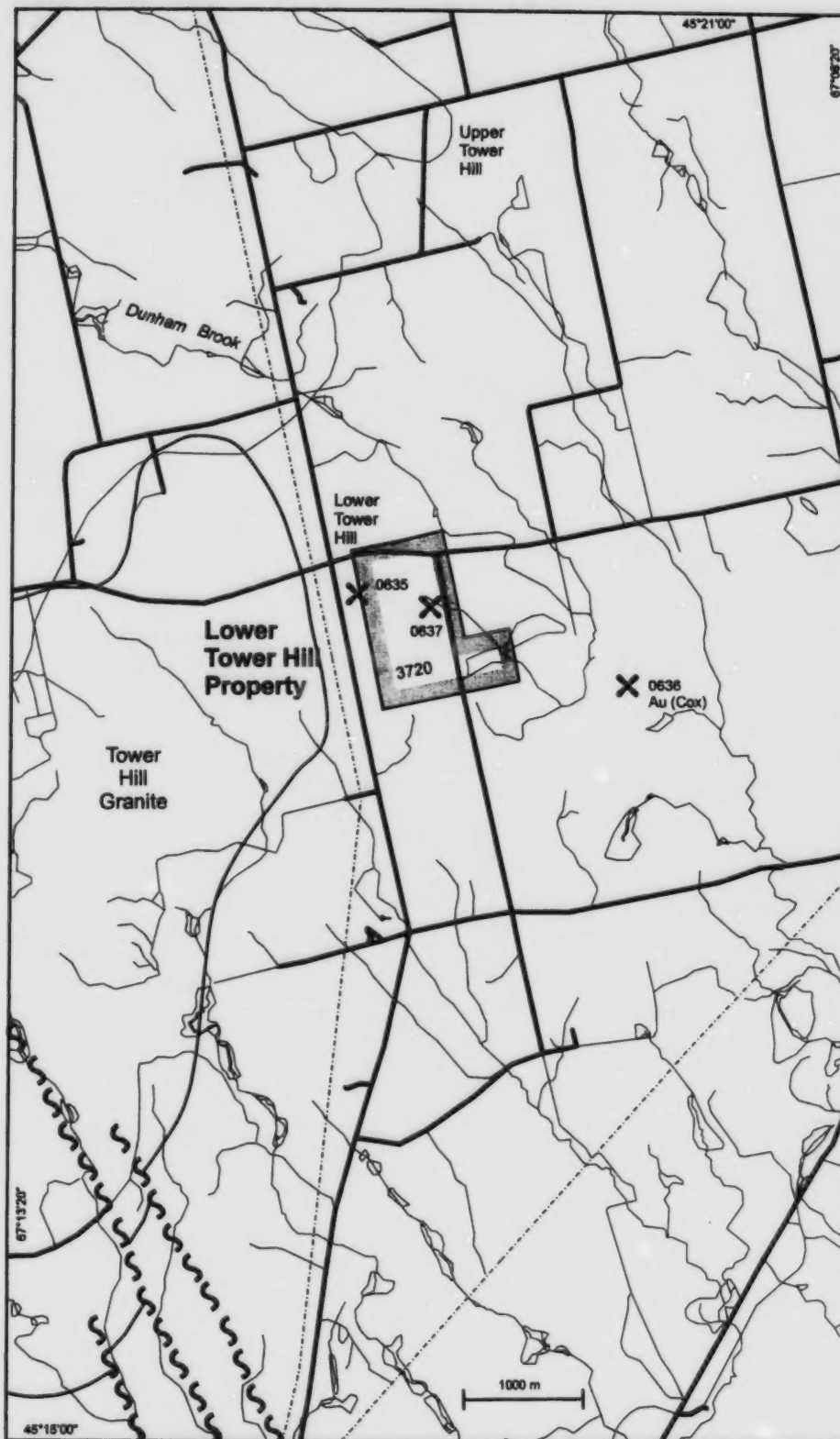
NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related, as at Clarence Stream.

EXPLORATION HISTORY: There is no recorded work on the property. Boulders of arsenopyrite-bearing quartz have assayed up to 68 g/t Au (Cox, pers. comm., 2000). The adjacent property to the east contains veins of quartz that contain appreciable arsenopyrite and occasional visible gold. Till and stream silt geochemical surveys indicate the potential for this property to host similar gold occurrences.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: P. Fenety
PHONE No.: 506-529-1084
FAX No.: 506-529-3652

PARTNERS: Bill Gardiner
Dave Stevens
E-MAIL ADDRESS: geolcons@nb.sympatico.ca



**Property 44: Sorrel Ridge
(Au)**

LOCATION: Two km northeast of Rollingdam, Charlotte County, NB, and 4 km west of, and on strike from, the Clarence Stream gold occurrences of Freewest Resources.

NTS: 21 G/6E (1:20 000 sheet 21 G/6a)

OWNER'S NAME AND ADDRESS: Peter Fenety, 94 Queen Street, St. Andrews, NB E5B 1C6

PROPERTY DESCRIPTION: Fourteen claims (groups 3686, 3719) currently in good standing until 18 February 2001 and 21 March 2001, respectively.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

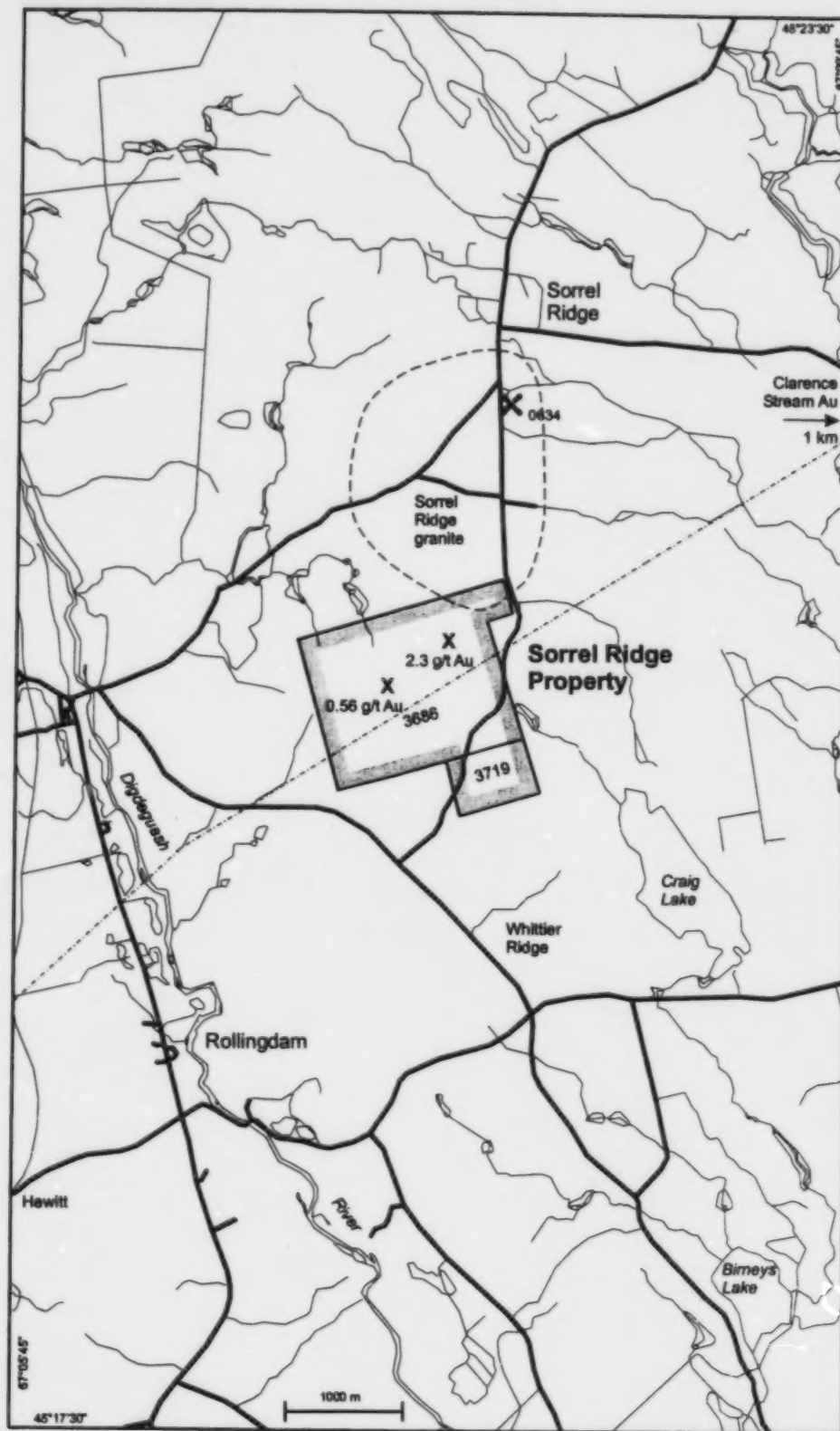
NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related, as at Clarence Stream.

EXPLORATION HISTORY: There is no recorded work on the property, however subsequent to the 1988 till geochemical data release in the area, BP Exploration staked the property for gold and excavated at least one trench, in the southwest corner of the present property. Two gold-bearing boulders were discovered to the south of the present claim group in 1988, assaying 0.12 oz./ton (~4.11 g/t) Au and 0.8 g/t Au. Prospecting in 1996-99 was renewed by Fenety et al. to locate the source of these boulders. Reconnaissance soil sampling located a small gold anomaly (to 120 ppb Au) on the present property. Prospecting, so far, has located two arsenic-mineralized boulders grading 2.3 g/t Au and 0.56 g/t Au on strike with Freewest's Clarence Stream occurrences.

RECOMMENDED WORK: Continued soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: P. Fenety
PHONE No.: 506-529-1084
FAX No.: 506-529-3652

PARTNERS: Bill Gardiner
Dave Stevens
E-MAIL ADDRESS: geolcons@nb.sympatico.ca



**Property 45: Scoullar Brook
(Au)**

LOCATION: Four km north of South Oromocto Lake, Charlotte County, NB, and 4 km northeast of the Jimmy Hill gold occurrences of Goldfluor.

NTS: 21 G/7E (1:20 000 sheet 21 G/7g)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove Road,
Rothesay, NB E2S 2Y6

PROPERTY DESCRIPTION: Twelve claims (group 3716) staked in 2000, currently in good standing until 20 March, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

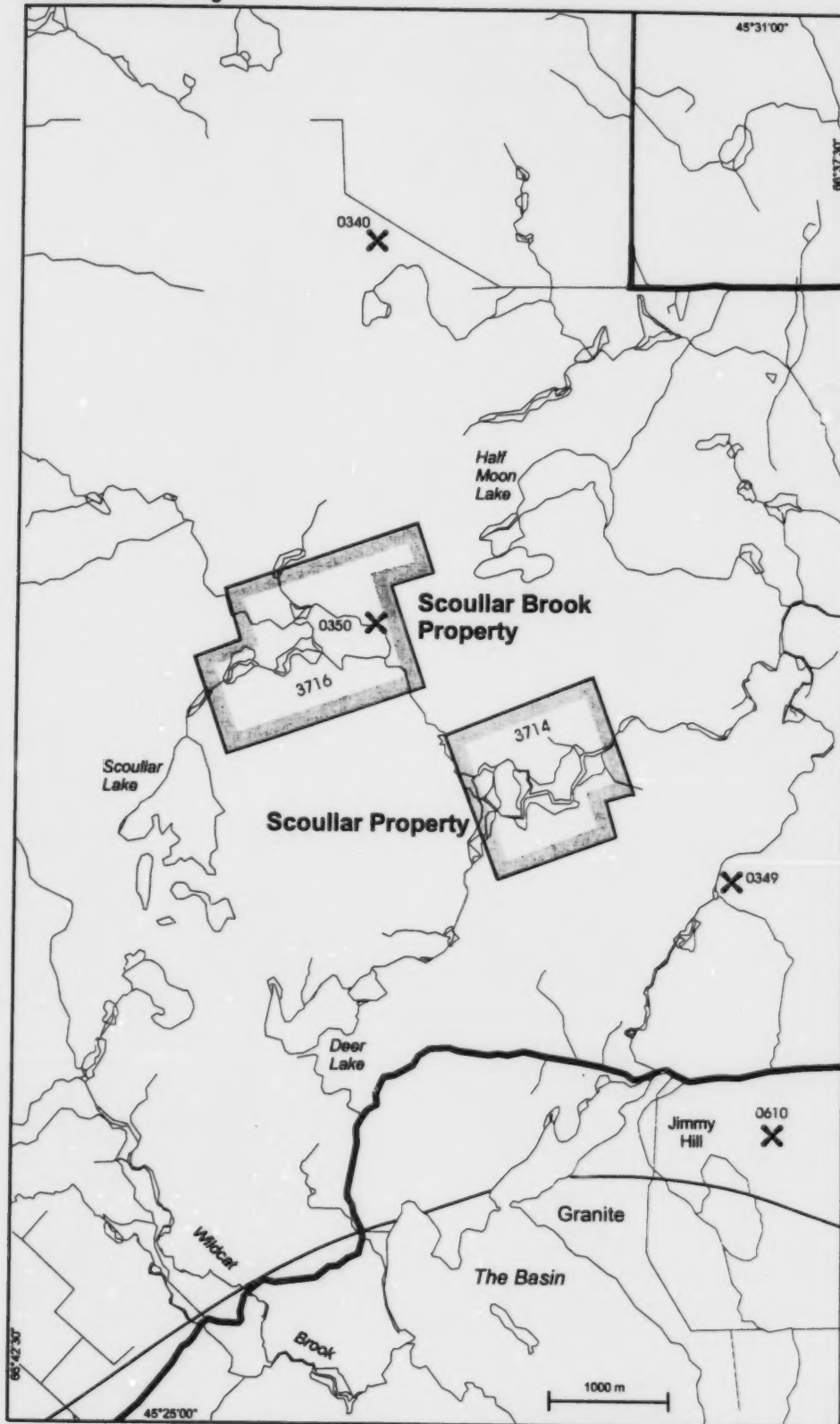
NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

EXPLORATION HISTORY: In 1861, over 300 people were panning small amounts of gold from Scoullar Brook. There is no other recorded work on the property.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca



**Property 46: Scoullar
(Au)**

LOCATION: Three km north of South Oromocto Lake, Charlotte County, NB, and 3 km northeast of the Jimmy Hill gold occurrences of Goldfluor.

NTS: 21 G/7E (1:20 000 sheet 21 G/7g)

OWNER'S NAME AND ADDRESS: Raymond Thorn, 2818 Rte 845, Carters Point, NB E5J 1T1

PROPERTY DESCRIPTION: Nine claims (group 3714) staked in 2000, currently in good standing until 17 March, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

EXPLORATION HISTORY: In 1861, over 300 people were panning small amounts of gold from Scoullar Brook. There is no other recorded work on the property.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca

NOTE: See map on previous page.

NOTES

**Property 47: Kedron
(Au)**

LOCATION: Nine km west of the Mt. Pleasant Mine, Charlotte County, NB and 7 km northeast of the Clarence Stream gold occurrences of Freewest Resources

NIS: 21 G/7W (1:20 000 sheet 21 G/7e)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove Road,
Rothesay, NB E2S 2Y6

PROPERTY DESCRIPTION: Nineteen claims (groups 3700 and 3790) staked in 2000, currently in good standing until 25 February 2001 and 22 August 2001, respectively.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

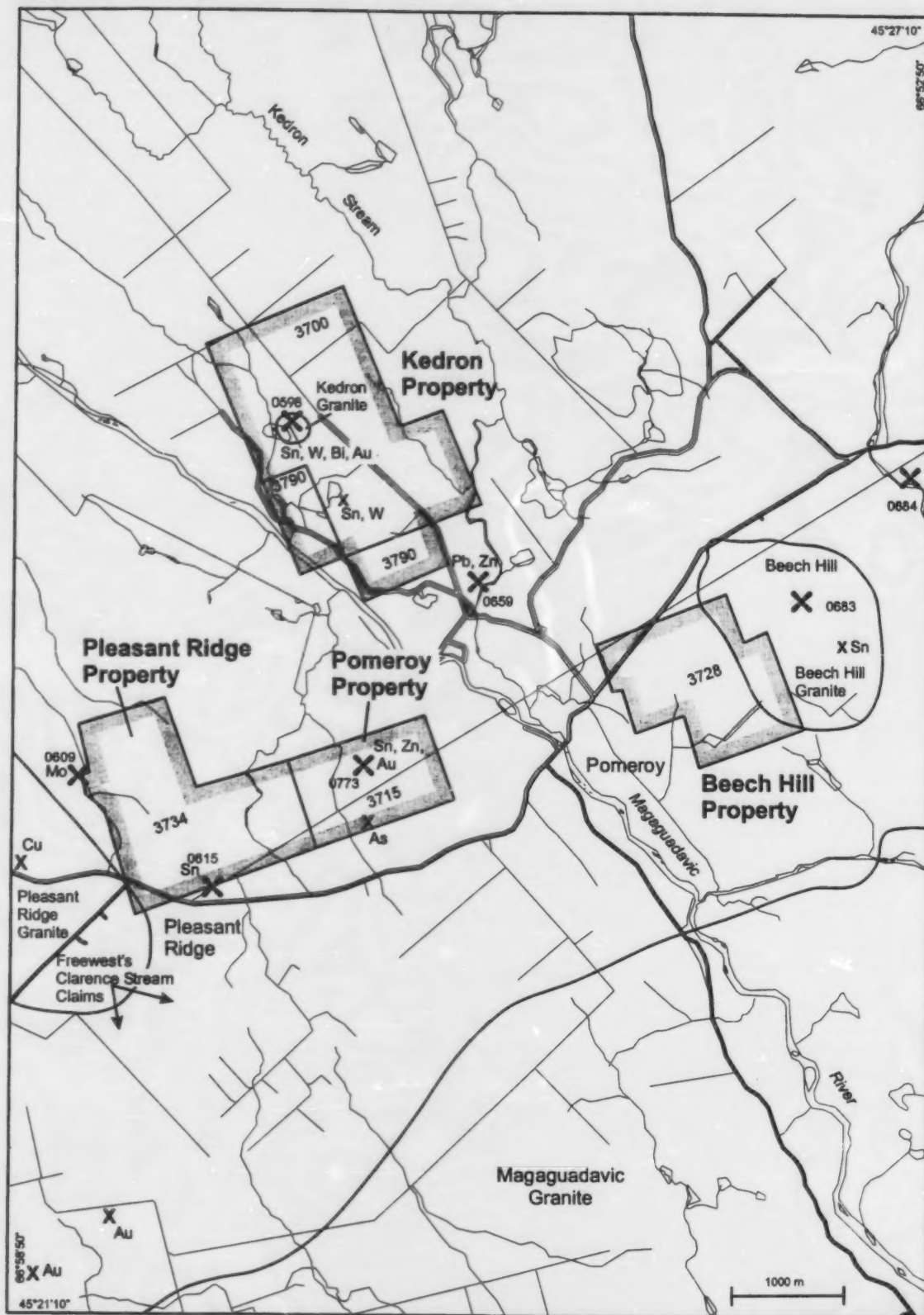
EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 9 km to the east) but nothing for gold in recent years. Gold was first discovered at Clarence Stream in 1869 by a Dr. Seymour from Calais, Maine. No assays were reported at the time, nor in the 1890s when gold exploration was renewed by Dr. Gove, from St. Andrews. A sample of greisenized granite from the main trench was found to contain 0.2 g/t Au (NBDNRE sample collected by W. Gardiner and T. Billings).

Pro-Max has recently located a gold-bearing boulder at the southeast corner of the property. This boulder of biotite hornfels contains a sugary quartz vein. The sample assayed 4.6 g/t Au.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca



**Property 48: Pleasant Ridge
(Au)**

LOCATION: Twelve km west of the Mt. Pleasant Mine, Charlotte County, NB, and 4 km north of the Clarence Stream gold occurrences of Freewest Resources.

NTS: 21 G/7W (1:20 000 sheet 21 G/7d)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove Road,
Rothsay, NB E2S 2Y6

PROPERTY DESCRIPTION: Twelve claims (group 3734) staked in 2000, currently in good standing until 19 April, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 12 km to the east) but nothing for gold in recent years. Gold was first discovered at Clarence Stream in 1869 by a Dr. Seymour from Calais, Maine. No assays were reported at the time, nor in the 1890s when gold exploration was renewed by Dr. Gove from St. Andrews.

Much of the hornfels surrounding the Pleasant Ridge Granite contains disseminated sulphides, including pyrite, chalcopyrite, molybdenite, and bismuthinite.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca

NOTE: See map on previous page.

**Property 49: Pomeroy
(Au, In, Zn)**

LOCATION: Ten km west of the Mt. Pleasant Mine, Charlotte County, NB and 5 km northeast of the Clarence Stream gold occurrences of Freewest Resources.

NTS: 21 G/7W (1:20 000 sheet 21 G/7e)

OWNER'S NAME AND ADDRESS: Southfield Resources Ltd., P.O. Box 4468, Sussex, NB
E4E 5L6

PROPERTY DESCRIPTION: Six claims (group 3715), currently in good standing until 20 March, 2001.

MAIN MINERAL/ELEMENT: Gold, indium, zinc

SECONDARY MINERALS/ELEMENTS: Lead, bismuth, tin

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream. Many veins, however, are found in bedrock, of massive to semi-massive sphalerite, magnetite, and tin. One zinc-rich sample (35% Zn) was found to contain 0.15% In and 0.29 g/t Au.

EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 10 km to the east) but nothing for gold in recent years. Gold was first discovered at Clarence Stream in 1869 by a Dr. Seymour from Calais, Maine. No assays were reported at the time, nor in the 1890s when gold exploration was renewed by Dr. Gove from St. Andrews.

In addition to the gold in the sphalerite veins, one boulder of quartz containing 15-10% arsenopyrite has been found on the property. Gold assays are pending.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Bill Gardiner
PHONE No.: 506-333-0662
FAX No.: 506-849-0493

PARTNERS: Emilio Doiron
E-MAIL ADDRESS: sfield@nb.sympatico.ca

NOTE: See map on page 107.

**Property 50: Beech Hill
(Au)**

LOCATION: Seven km west of the Mt. Pleasant Mine, Charlotte County, NB and 7 km northeast of the Clarence Stream gold occurrences of Freewest Resources.

NTS: 21 G/7W (1:20 000 sheet 21 G/7e)

OWNER'S NAME AND ADDRESS: Raymond Thorn, 2818 Rte 845, Carters Point, NB E5J 1T1

PROPERTY DESCRIPTION: Eight claims (group 3728) staked in 2000, currently in good standing until 6 April, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS: Tin

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 7 km to the east) but nothing for gold in recent years. Gold was first discovered at Clarence Stream in 1869 by a Dr. Seymour from Calais, Maine. No assays were reported at the time, nor in the 1890s when gold exploration was renewed by Dr. Gove from St. Andrews.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-333-0662
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca

NOTE: See map on page 107.

NOTES

**Property 51: Piskahegan West
(Au)**

LOCATION: Five km west of the Mt. Pleasant Mine, Charlotte County, NB and 8 km northeast and possibly on strike with the Clarence Stream gold occurrences of Freewest Resources.

NIS: 21 G/7W (1:20 000 sheet 21 G/7f)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove Road,
Rothsay, NB E2S 2Y6

PROPERTY DESCRIPTION: Twelve claims (group 3684) staked in 2000, currently in good standing until 18 February, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

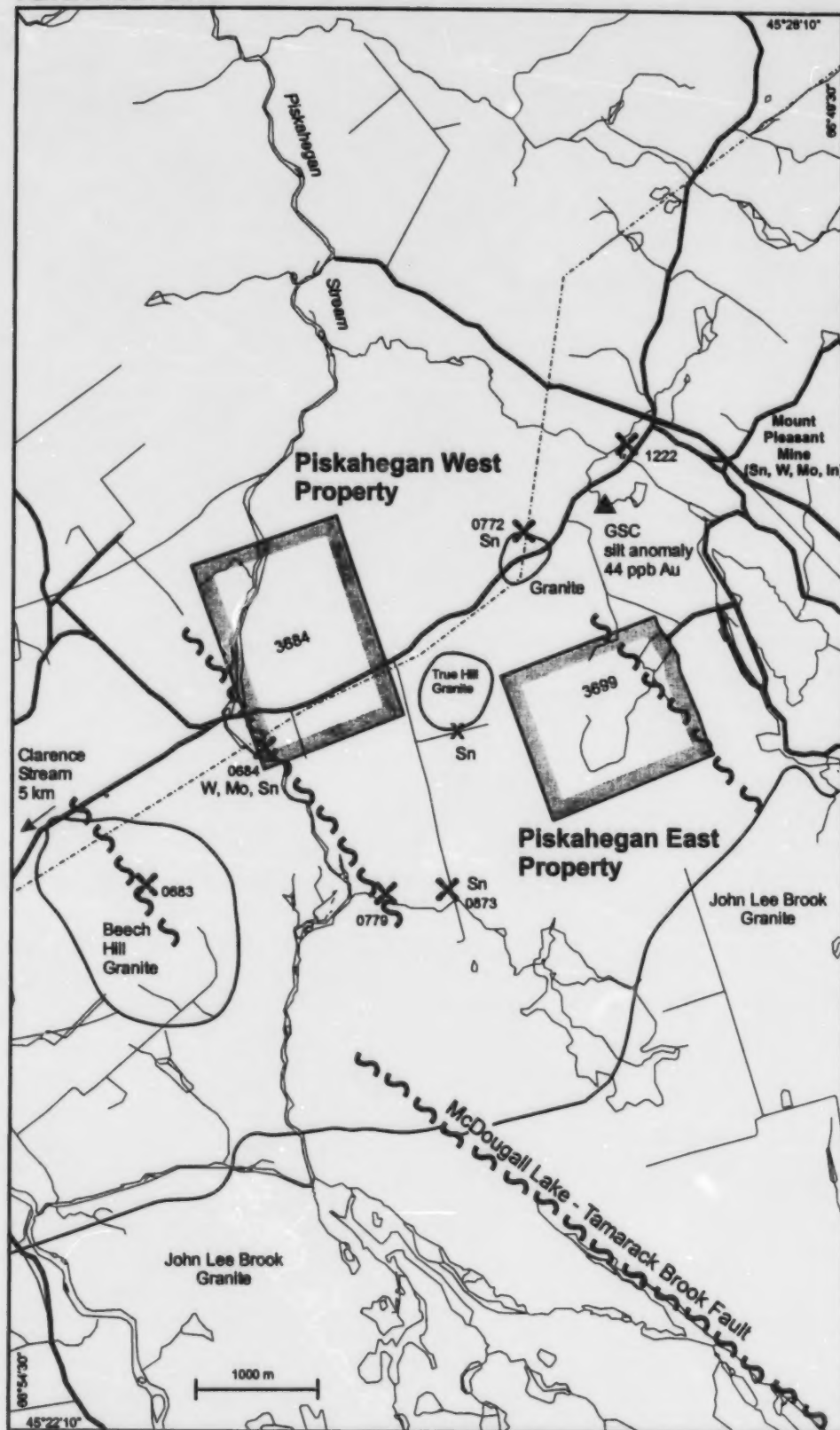
EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 5 km to the east) but nothing for gold in recent years. Gold was first discovered at Clarence Stream in 1869 by a Dr. Seymour from Calais, Maine. No assays were reported at the time, nor in the 1890s when gold exploration was renewed by Dr. Gove, from St. Andrews, who found gold in narrow quartz veins cutting graphitic argillite in the vicinity of the True Hill West property. The area was reclaimed in 1911-13 by Joseph Johnson, who reports gold values to over 800 g/t. The narrowness of the veins prevented exploitation at the time. Numerous old trenches can still be found in the area.

Billiton outlined a large bismuth-in-soil anomaly on the present property. Three random soil samples have been collected to date, all containing gold (18, 42, and 46 ppb Au).

RECOMMENDED WORK: Continued soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca



**Property 52: Piskahegan East
(Au)**

LOCATION: Three km west of the Mt. Pleasant Mine, Charlotte County, NB and 10 km northeast and possibly on strike with the Clarence Stream gold occurrences of Freewest Resources.

NTS: 21 G/7W (1:20 000 sheet 21 G/7f)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove Road,
Rothesay, NB E2S 2Y6

PROPERTY DESCRIPTION: Nine claims (group 3699) staked in 2000, currently in good standing until 25 February, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related as at Clarence Stream.

EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 3 km to the east) but nothing for gold in recent years. Gold was first discovered at Clarence Stream in 1869 by a Dr. Seymour from Calais, Maine. No assays were reported at the time, nor in the 1890s when gold exploration was renewed by Dr. Gove, from St. Andrews, who found gold in narrow quartz veins cutting graphitic argillite in the vicinity of the True Hill West property. The area was reclaimed from 1911-13 by Joseph Johnson, who reports gold values to over 800 g/t. The narrowness of the veins prevented exploitation at the time. Numerous old trenches can still be found in the area.

The GSC has carried out a silt-sampling program in the area with one sample downstream of this property containing 44 ppb Au. Union Gold has carried out a soil sampling program immediately adjacent to the southern boundary of the property.

RECOMMENDED WORK: Continued soil geochemistry for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca

NOTES

**Property 53: Little McDougall Lake
(Au)**

LOCATION: Three km west of South Oromocto Lake, Charlotte County, NB, and 6 km west and on strike with the Jimmy Hill gold occurrences.

NTS: 21 G/7E (1:20 000 sheet 21 G/7g)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove Road,
Rothesay, NB E2S 2Y6

PROPERTY DESCRIPTION: Seventeen claims (groups 3685 and 3712) staked in 2000, currently in good standing until 18 February 2001 and 6 March 2001, respectively.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

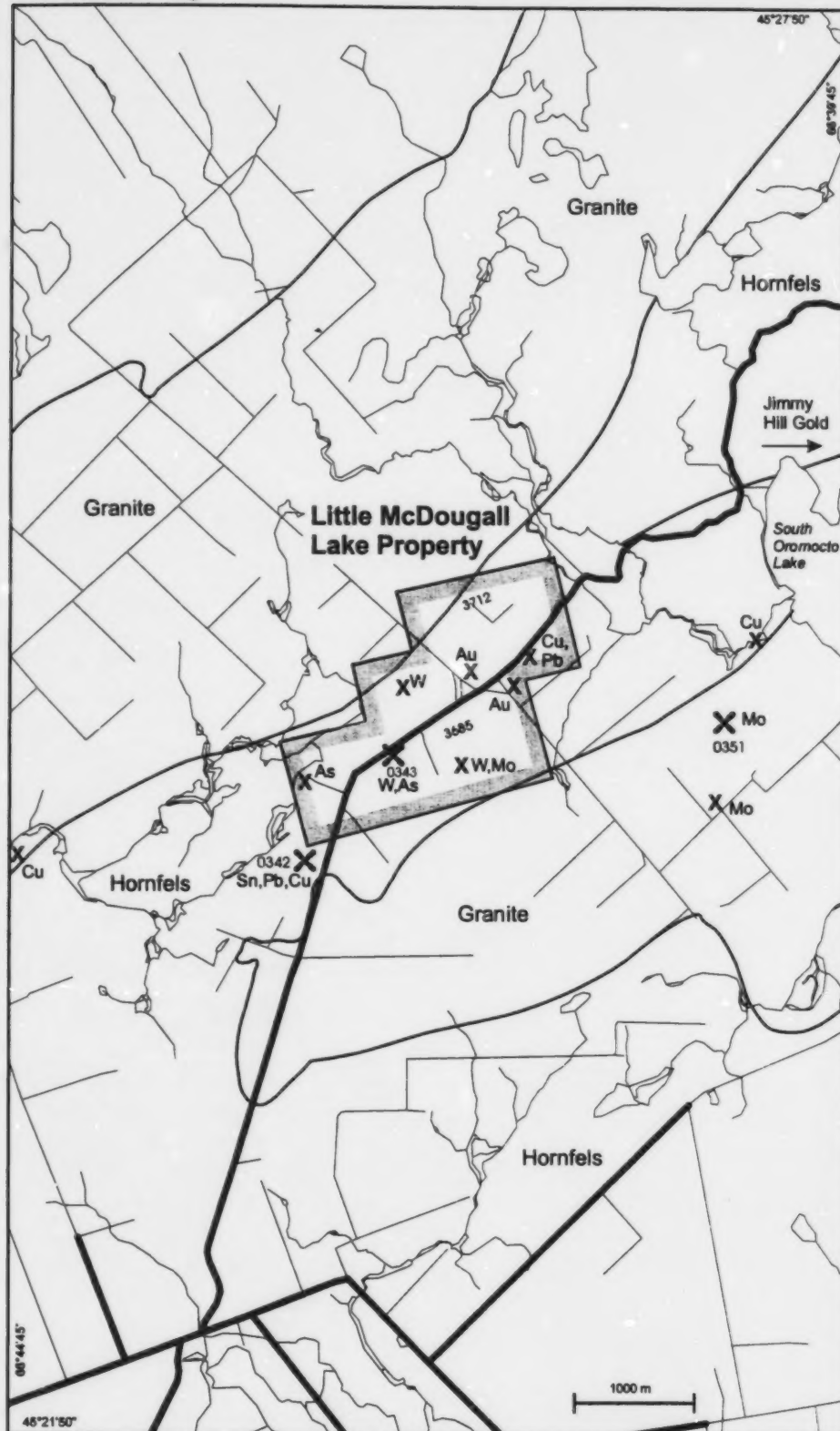
NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related. Quartz veins have been observed in bedrock on the property cutting biotite hornfels and containing arsenic, tungsten, tin, molybdenum, copper, and lead. Boulders on the property have been found to contain up to 2.38 g/t gold.

EXPLORATION HISTORY: A large amount of work has been done on the property to evaluate its tin-tungsten potential (the Mt. Pleasant tin mine is just 7 km to the northwest). In the 1980s, MEX Exploration and Reg Cox, Sr., discovered traces of gold in boulders on the property but were unsuccessful at locating their source. Mapping by Bill Gardiner and Tim Billings for the Dept. of Natural Resources in 1988 uncovered an arsenic-gold-bearing quartz vein assaying 0.6 g/t of gold.

RECOMMENDED WORK: Soil geochemistry for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Emilio Doiron
PHONE No.: 506-849-7954
FAX No.: 506-849-0493

PARTNERS: Bill Gardiner
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca



**Property 54: Waweig
(Au)**

LOCATION: On Passamaquoddy Bay, 15 km north of St. Andrews, NB.

NTS: 21 G/3E (1:20 000 sheet 21 G/3g)

OWNER'S NAME AND ADDRESS: Dave Stevens, Route 127, Bocabec, NB E5B 3H3

PROPERTY DESCRIPTION: Two claims (group 3722) staked in 2000, currently in good standing until 29 March, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related, as at Clarence Stream.

EXPLORATION HISTORY: There is no recorded work on the property. Sampling of pyrite veins at a gabbro-sediment contact returned gold values to 2.83 g/t. Forty soil samples in the vicinity of the showing indicated that several were gold enriched (10-25 ppb Au), although they were sporadically distributed.

RECOMMENDED WORK: Soil geochemistry/prospecting for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Dave Stevens

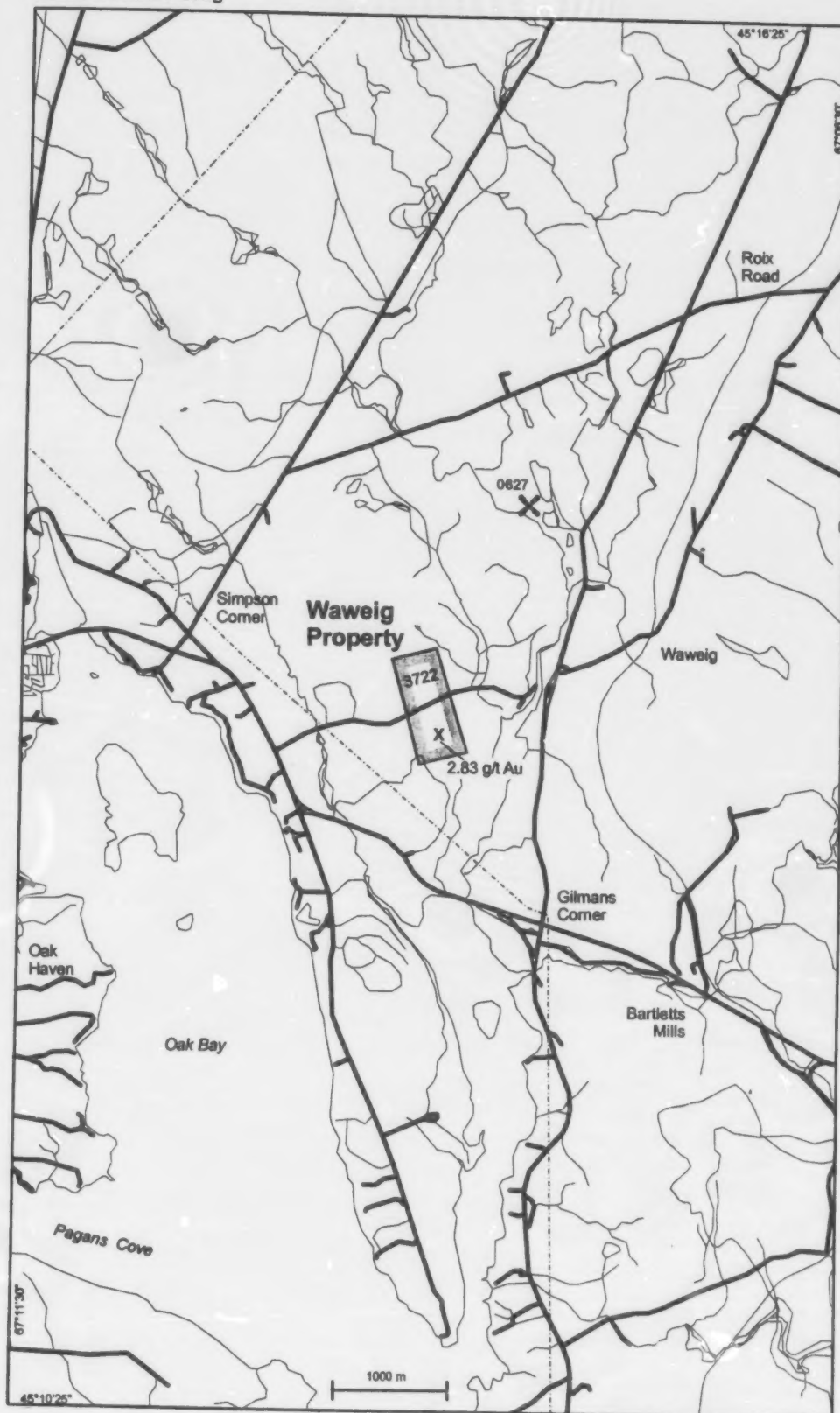
PHONE No.: 506-529-3793

E-MAIL ADDRESSES: sfield@nb.sympatico.ca , geolcons@nb.sympatico.ca

PARTNERS: Bill Gardiner

Peter Fenety

Part of NTS 21 G/3g



Property 55: Sand Brook (Southfield)
(Au)

LOCATION: Five km east of Clarendon, Charlotte County, NB, and 5 km northeast and on strike with the Shearer Gold Mine (which is more commonly known as the Shear Gold Mine).

NTS: 21 G/7E and 21 G/10E (1:20 000 sheets 21 G/7h and 21 G/10a)

OWNER'S NAME AND ADDRESS: Southfield Resources Ltd., P.O. Box 4468, Sussex, NB
E4E 5L6

PROPERTY DESCRIPTION: Nine claims (group 3687) staked in 2000, currently in good standing until 21 February, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

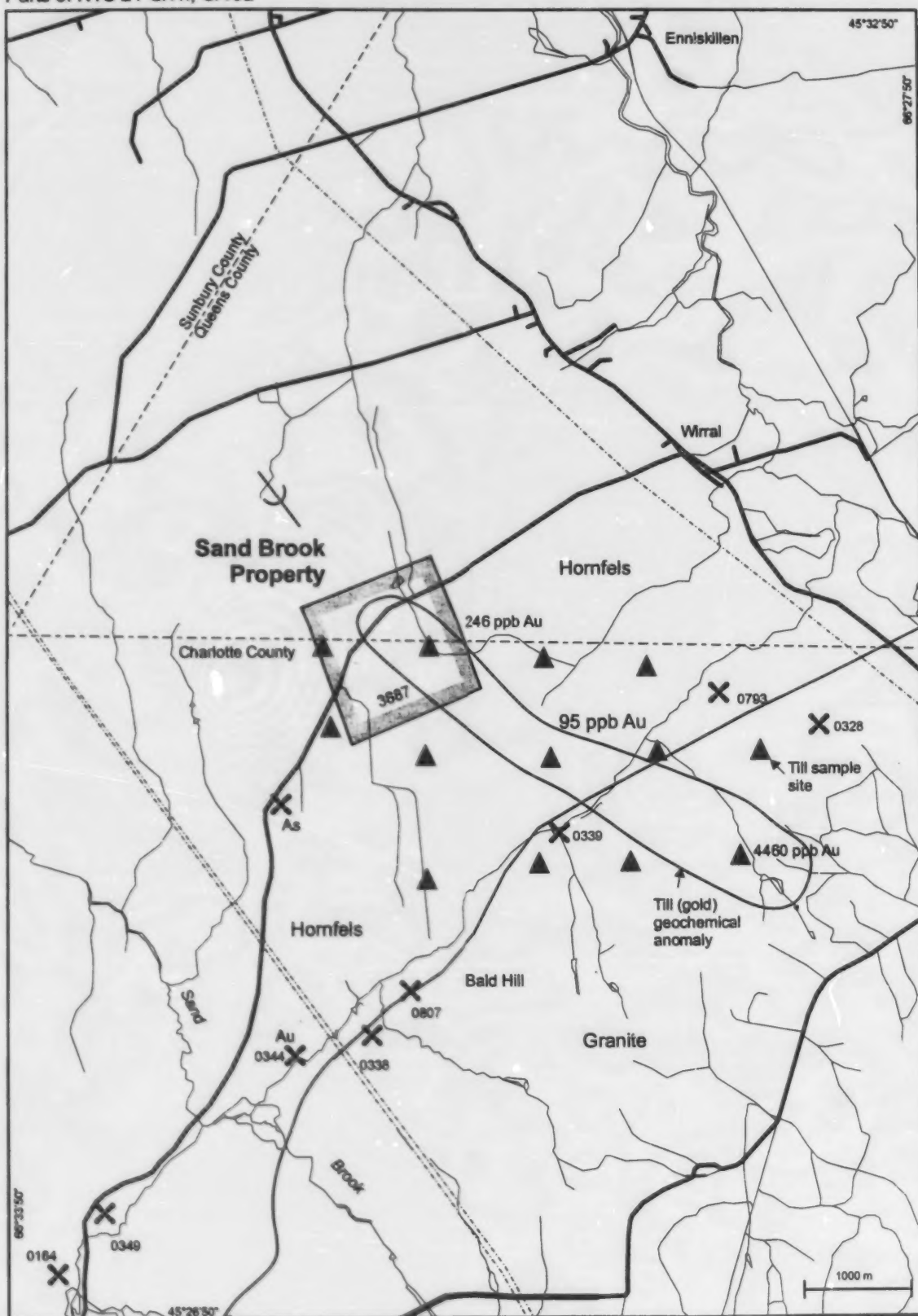
NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related. Claims cover the head of a gold-in-till geochemical anomaly with values to 4460 ppb Au.

EXPLORATION HISTORY: Other than the till anomaly, no recorded work has been done on the property. In 1861, gold was discovered in quartz boulders in Sand Brook with assays of up to 0.3 oz./ton (~10.3 g/t) gold. Subsequently, over 300 prospectors were panning small amounts of gold out of Sand and Scoullar brooks. By 1868, to the southwest of the present property, a Mr. Talent had sunk a shaft on his property (as a silver mine). By 1910, the shaft was being reworked by John Shearer as a gold mine/prospect. Assays were reported to be around 0.2 oz./ton (~6.9 g/t) gold. Exploration continued in the area of the Shearer mine in the 1980s with up to 17 g/t gold reported along with coincident As, Sb, Bi, Cu and W, a similar suite of elements as reported in the Clarence Stream area, 33 km to the west along the northern contact of the St. George granite.

RECOMMENDED WORK: Soil geochemistry for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Bill Gardiner
PHONE No.: 506-333-0662
FAX No.: 506-849-0493

PARTNERS: Emilio Doiron
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca



**Property 56: Logans Mountain
(Au)**

LOCATION: Two km north of South Oromocto Lake, Charlotte County, NB, 5 km west and on strike with the Shearer Gold Mine, and adjacent to the Jimmy Hill gold occurrences.

NTS: 21 G/7E (1:20 000 sheet 21 G/7h)

OWNER'S NAME AND ADDRESS: Southfield Resources Ltd., P.O. Box 4468, Sussex, NB
E4E 5L6

PROPERTY DESCRIPTION: Fourteen claims (groups 3683 and 3688) staked in 2000, currently in good standing until 17 February 2001 and 21 February 2001, respectively.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

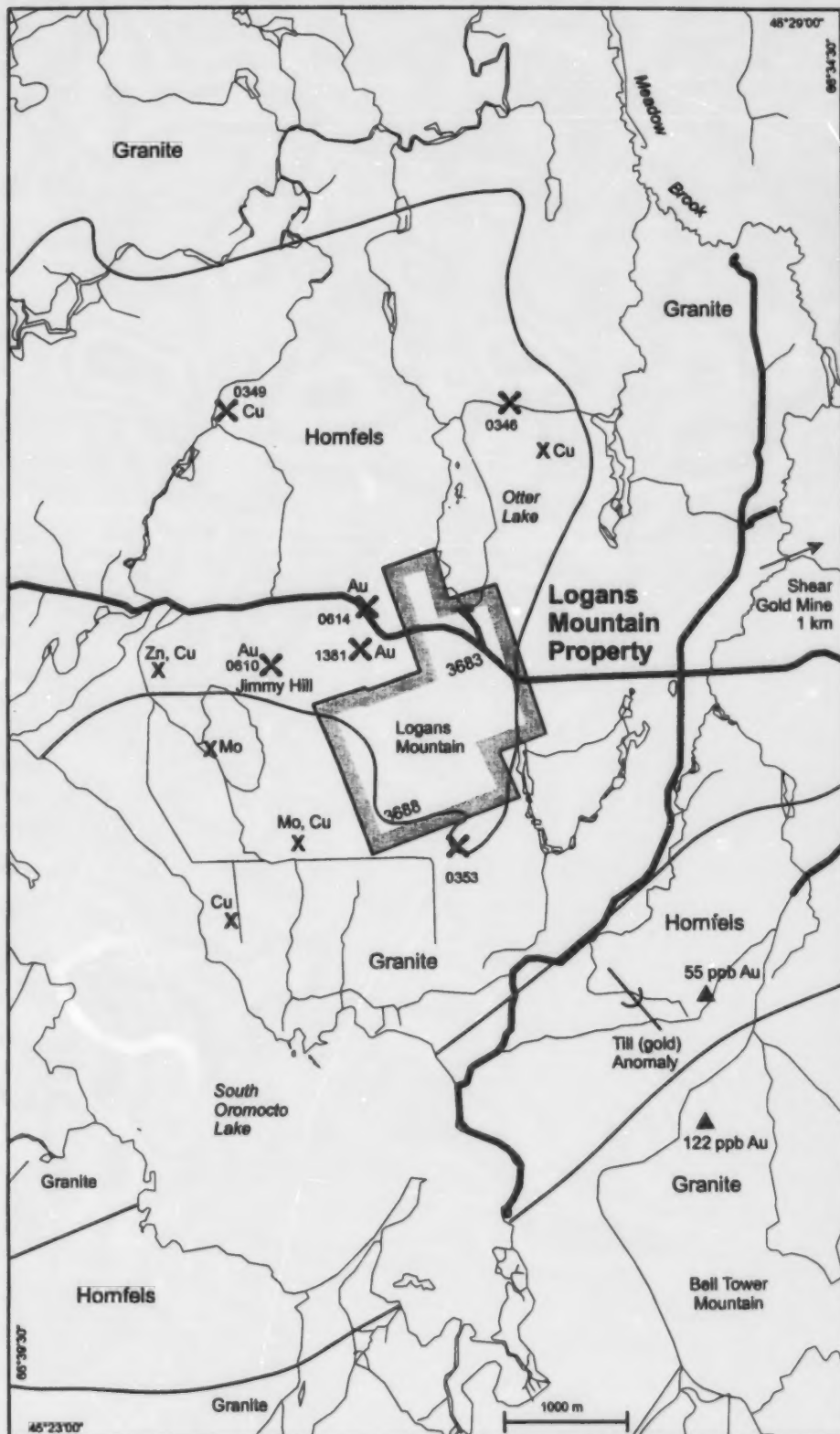
NATURE OF MINERALIZATION: Possible skarn/vein gold in black graphitic shales, granite-related. Claims are up-ice of a gold-in-till geochemical anomaly with values to 122 ppb Au, and adjacent and on strike with at least two of the gold-arsenic-bismuth-cobalt veins at Jimmy Hill. Thin quartz veins have been observed on the property cutting biotite hornfels.

EXPLORATION HISTORY: No recorded work has been done on the property. In the 1980s, Reg Cox, Sr. discovered traces of gold at Jimmy Hill and staked the property. Mapping by Bill Gardiner and Tim Billings for the Dept. of Natural Resources in 1988 uncovered a gold-bismuth-bearing quartz vein assaying 5.9 g/t gold. Subsequent work by Reg Cox encountered gold assays to 0.62 oz./ton (~21.24 g/t). Another vein, on the boundary between Goldfluor's property and this property was investigated by Noranda. This vein was found to contain 3.9 g/t gold (NBDNRE sample).

RECOMMENDED WORK: Soil geochemistry for gold and related elements, followed by trenching and drilling where indicated.

CONTACT PERSON: Bill Gardiner
PHONE No.: 506-333-0662
FAX No.: 506-849-0493

PARTNERS: Emilio Doiron
Raymond Thorn
E-MAIL ADDRESS: sfield@nb.sympatico.ca



**Property 57: Burnthill Mine
(Mo, W)**

LOCATION: 35 km northwest of Fredericton

NTS: 21 J/10W (1:20 000 sheet 21 J/10c)

OWNER'S NAME AND ADDRESS: Violet Robichaud, 44-2 Murray Ave., Fredericton, NB
E3A 3Y5

PROPERTY DESCRIPTION: Two claims (group 3785) currently in good standing until 15 August, 2001. Possible deal: negotiable.

MAIN MINERAL/ELEMENT: Molybdenum, tungsten

SECONDARY MINERALS/ELEMENTS: Topaz, tin, base metals

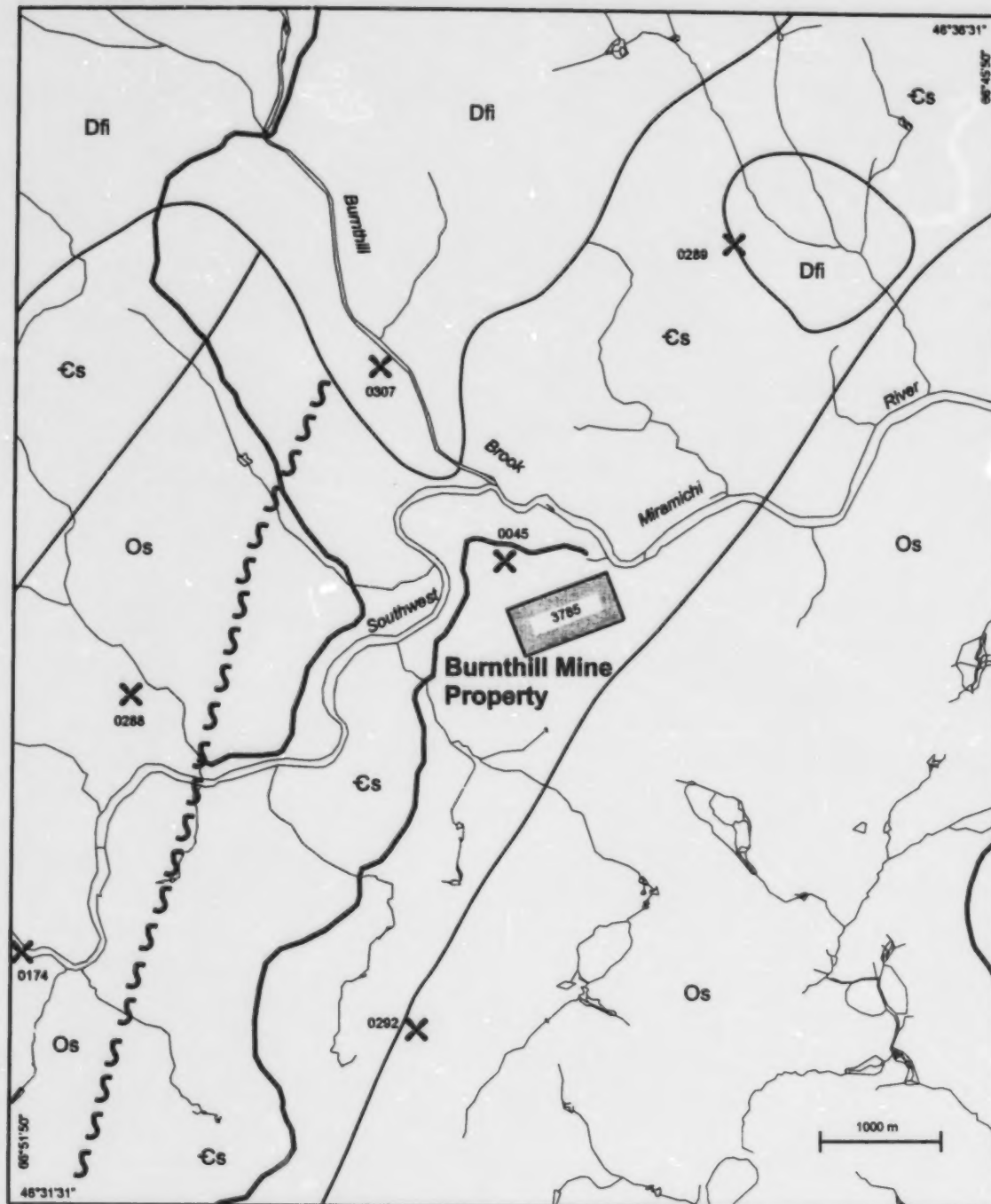
NATURE OF MINERALIZATION: Epithermal polymetallic quartz and greisen veins associated with contact zone of Upper Devonian granite (Burnthill Batholith).

EXPLORATION HISTORY: Over 45,000 feet [13,716 m] of drilling was done on 200-foot [~61-m] sections. A decline of 1300 feet [~396 m] and five adits were driven. A 30,000-ton [~27,234 t] bulk sample was taken. Molybdenum tonnages and grade are not currently available; one intersection of 1.22% Mo over 5.1 feet [~1.6 m] is known. A significant amount of molybdenum remains in the mine dump. Four hundred thousand tons [~363,120 t] of 0.45% W proven. Topaz is of gemstone quality. Additional data are currently being compiled.

RECOMMENDED WORK: Compilation and pre-feasibility study.

CONTACT PERSON: Violet Robichaud
PHONE No.: 506-454-8971
FAX No.: 506-363-4524

PARTNER: Ken Whaley
E-MAIL ADDRESS:



- | | |
|-----|--|
| Dfi | Devonian felsic intrusive rocks |
| Os | Ordovician mainly sedimentary rocks |
| Cs | Cambrian sedimentary rocks |
| X | Mineral occurrence with Unique Record Number |

**Property 58: Sand Brook (Whaley)
(Au)**

LOCATION: Approximately 0.5 km west of Bald Hill and 3.5 km northeast of Shear Mine

NTS: 21 G/7E (1:20 000 sheet 21 G/7h)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Thirteen claims (groups 3778, 3755, 3838) currently in good standing until 28 July 2001, 15 June 2001, and 28 November 2001, respectively.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS: Traces of copper

NATURE OF MINERALIZATION: Similar to Clarence Stream property of Freewest Resources.

EXPLORATION HISTORY: 1987-89, Grand Empire Exploration carried out soil sampling and short drill holes. A 1940 sample, taken at the time the Shear Mine (URN 0164) shaft was being sunk, assayed 0.5 oz./ton (~17.14 g/t) [473327]. A 1986 grab sample, taken from the mineralized vein at the Sand Brook Mountain mineral occurrence (URN 0344), assayed 0.52 oz./ton (~17.83 g/t) [473486].

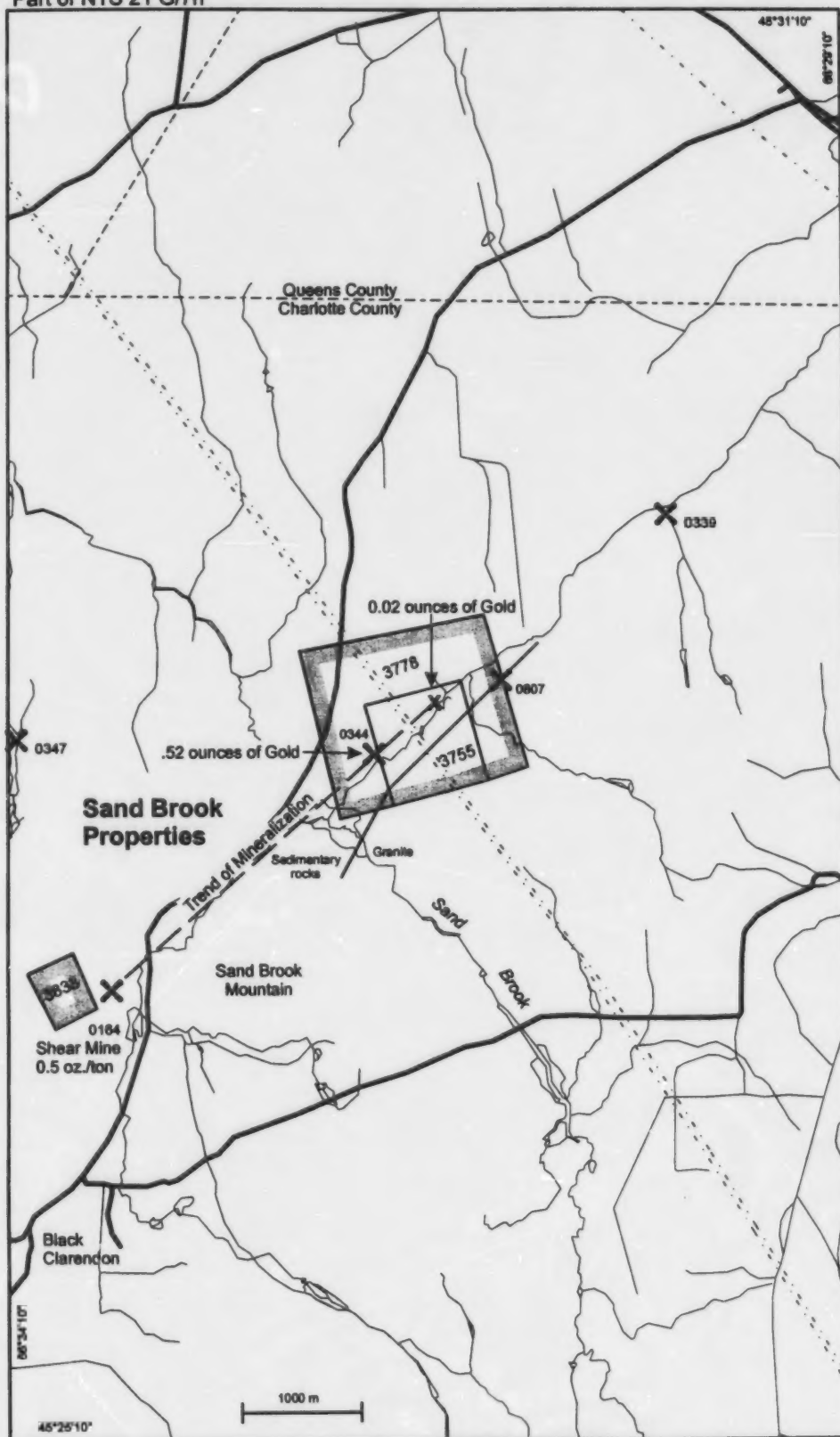
RECOMMENDED WORK: Detailed soil sampling, prospecting, and geological mapping.

CONTACT PERSON: Ken Whaley
PHONE No.: 506-363-5513
FAX No.: 506-363-4524

PARTNER:

E-MAIL ADDRESS:

Part of NTS 21 G/7h



**Property 59: McKeel Lake
(Zr, Ce)**

LOCATION: Southeastern tip of McKeel Lake, 4 km WNW of Browns Flat; 26 km NNW of Saint John, NB

NTS: 21 G/8E (1:20 000 sheet 21 G/8g)

OWNER'S NAME AND ADDRESS: Donald Hattie, 14 Main Street, Sackville, NB E4L 4A3.

PROPERTY DESCRIPTION: Four claims (group 3149), recorded 11 December, 1996. Enough work will be done in November 2000 to hold until 11 December, 2001. Terms: low payments, but serious work commitment.

MAIN MINERAL/ELEMENT: Zirconium (one assay 1.48%, one assay 0.89%, six assays 2.12 to 3.06%); Cerium (0.11 to 0.30%)

SECONDARY MINERALS/ELEMENTS: Y(0.08 to 0.30%); Nb (0.14 to 0.74%); Ta (155 to 640 ppm); Hf (348 to 917 ppm); La (130 to 320 ppm); Sn (160 to 480 ppm); Be (41 to 356 ppm); F (one assay done = 940 ppm). Also Th, U, Mo present.

NATURE OF MINERALIZATION: One < 1 m wide x 150 m long aplite dyke with elevated Zr, Y, and rare earth elements cuts Silurian alkali granites. Eight assays have been returned to date. Initial SEM located pyrochlore, a y-niobate, a Y-Nd-Ce-carbonate and zircon. VLF-EM profiles showed weak conductors unrelated to the aplite.

EXPLORATION HISTORY: Th-bearing aplite found by Uranerz (472706). Martin and Payette (GSC Paper 87-1A, pp. 239-248 and GSC-OF 1727) showed that the mass of alkali granite contained minerals high in Zr, but they did not study the late-phase aplite dyke.

RECOMMENDED WORK: 1. More VLF-EM profiles to define fracture pattern; 2. More SEM work to identify and quantify the minerals; 3. Deep drill hole to seek cupola of late phase from which aplite dyke originated.

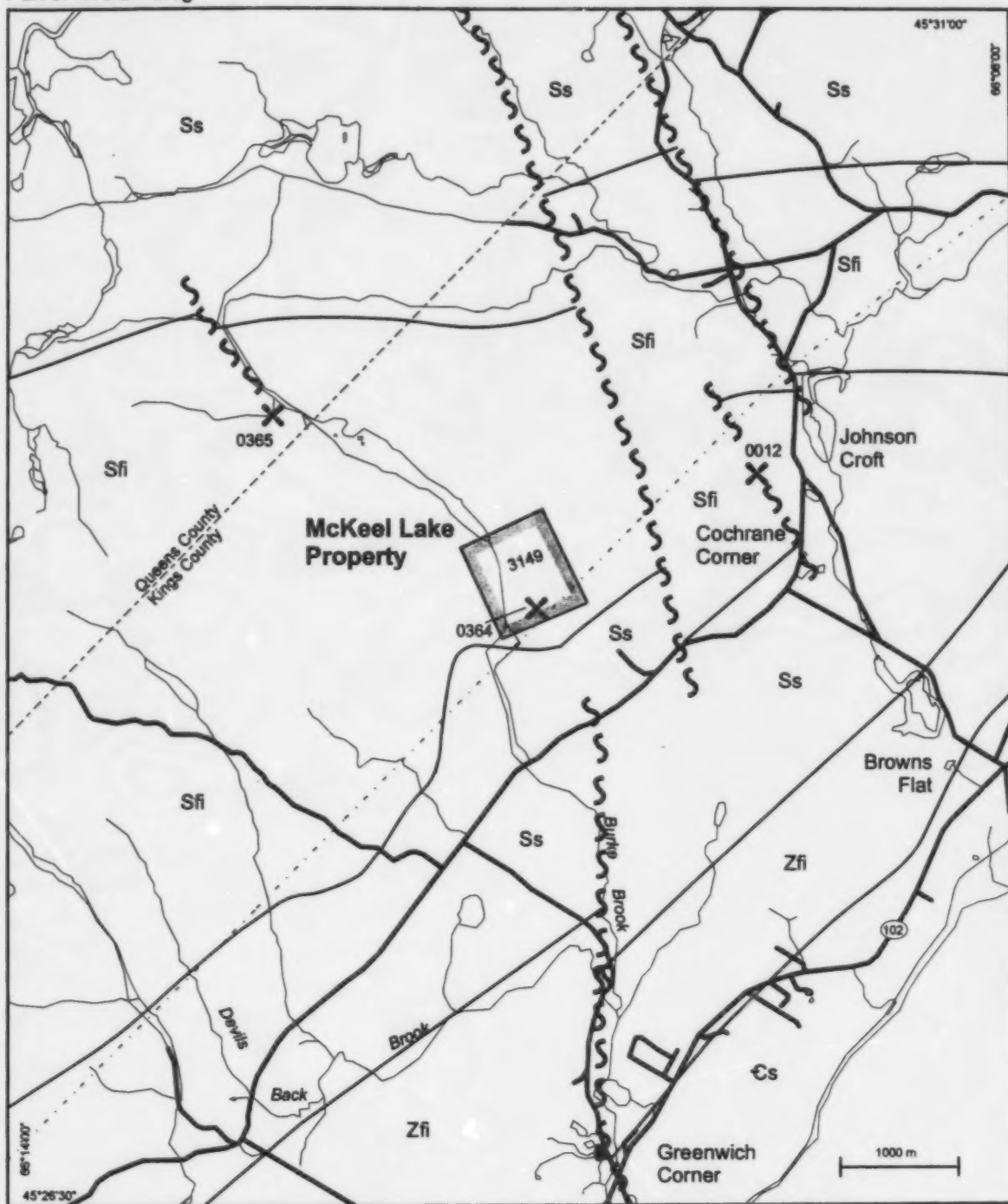
CONTACT PERSON: Don Hattie

PARTNER: Mark Connell

PHONE No.: 506-536-0614

FAX No.: 506-536-2978

E-MAIL ADDRESS:



- Sfi Silurian felsic intrusive rocks
- Ss Silurian sedimentary rocks
- Cs Cambrian sedimentary rocks
- Zfi Precambrian felsic intrusive rocks
- X Mineral occurrence with Unique Record Number

NOTES

NICKEL - COBALT - COPPER, PGE, AND TITANIUM DEPOSITS

**Property 60: Royal Vault Nickel
(Ni, Co, Cu, PGE)**

LOCATION: Kedgwick, 100 km west of Bathurst, NB

NTS: 21 O/11E (1:20 000 sheets 21 O/11g, h)

OWNER'S NAME AND ADDRESS: Wayne Lockhart, P.O. Box 515, Fredericton, NB E3B 5A6

PROPERTY DESCRIPTION: Six hundred claims; Royal Vault group 3512 (good standing until 4 December 2001), Boland Brook group 3520 (23 December 2000), Burntland Brook group 3521 (23 December 2000), Ritchie Brook group 3522 (23 December 2000), and Simpsons Gulch group 3544 (23 March 2001).

MAIN MINERAL/ELEMENT: Nickel, cobalt, copper, platinum-group elements

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Buried mafic intrusive postulated as source of geochemical, magnetic, and electrical conductivity anomalies.

EXPLORATION HISTORY: No previous industry exploration history. Province of New Brunswick and Government of Canada sponsored geochemical survey and EXTECH-II airborne geophysical survey data released July 1998.

Work performed in 1999: Stream-sediment geochemical survey, prospecting and geological reconnaissance mapping.

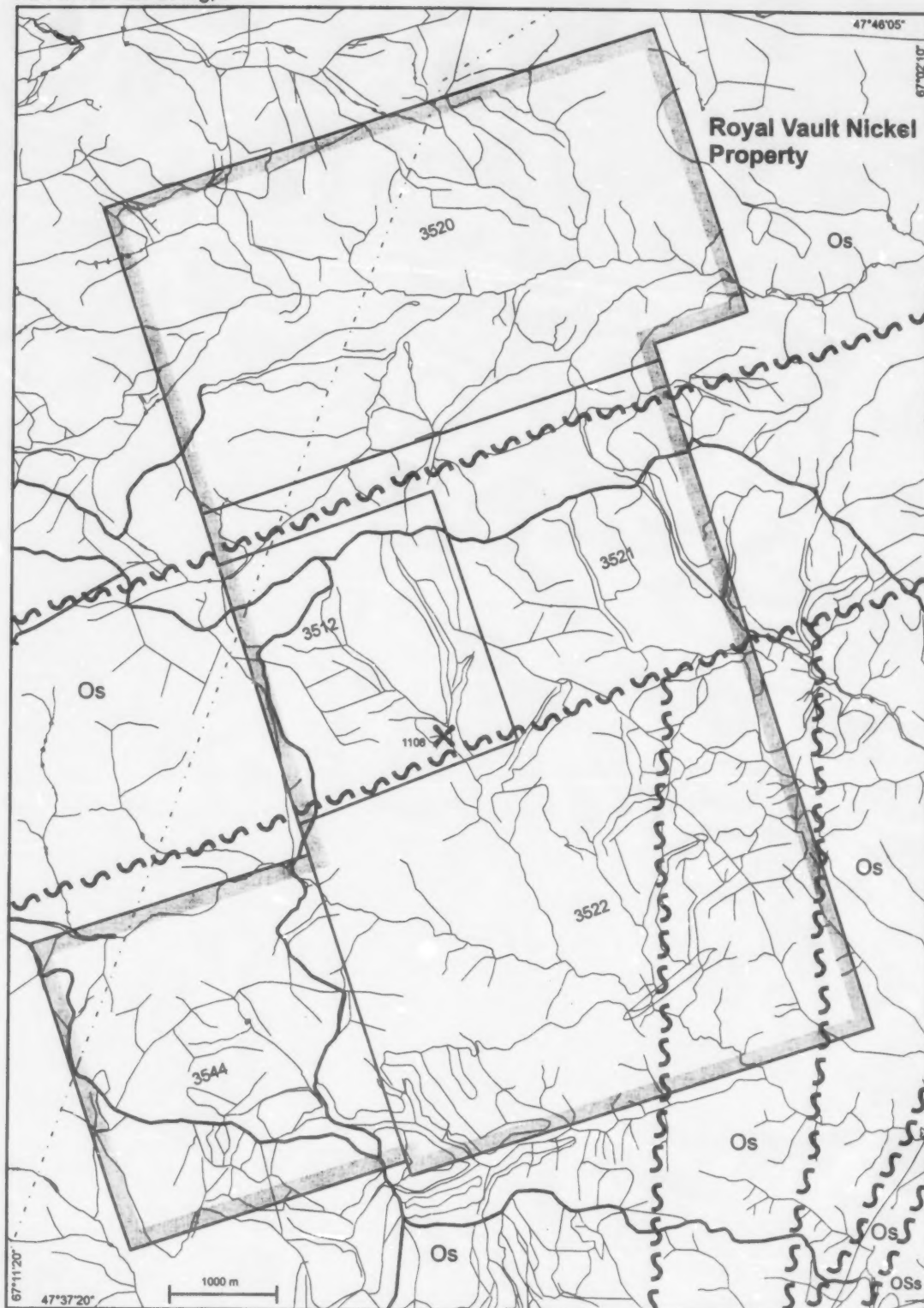
RECOMMENDED WORK: Geophysics and drilling to test anomalous areas.

CONTACT PERSON: Wayne Lockhart
PHONE No.: 506-369-2279
FAX No.: 506-369-2204

PARTNER:

E-MAIL ADDRESS: lockexpl@nbnet.nb.ca

Part of NTS 21 O/11g,h



OSs Ordovician-Silurian sedimentary rocks
 Os Ordovician sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 61: Mechanic Settlement
(Pt, Pd, Cu, Ni)**

LOCATION: 20 km southeast of Sussex, Kings County, NB

NTS: 21 H/11W (1:20 000 sheet 21 H/11f)

OWNER'S NAME AND ADDRESS: PGE Resource Corporation, P.O. Box 4626, Rothesay, NB
E2E 5X3

PROPERTY DESCRIPTION: Claim group 1147, 115 claims.

MAIN MINERAL/ELEMENT: Platinum, palladium, copper, nickel

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Merensky Reef type mineralization in a layered mafic-ultramafic intrusion.

EXPLORATION HISTORY: Between 1969 and 1996, various geochemical surveys, geophysical surveys, trenching and diamond drilling were conducted by Canex Aerial Exploration, PGE Resource Corp., Corona Corp., Noranda, BHP Minerals, and Wild Horse Resources Ltd.

RECOMMENDED WORK: Diamond drilling.

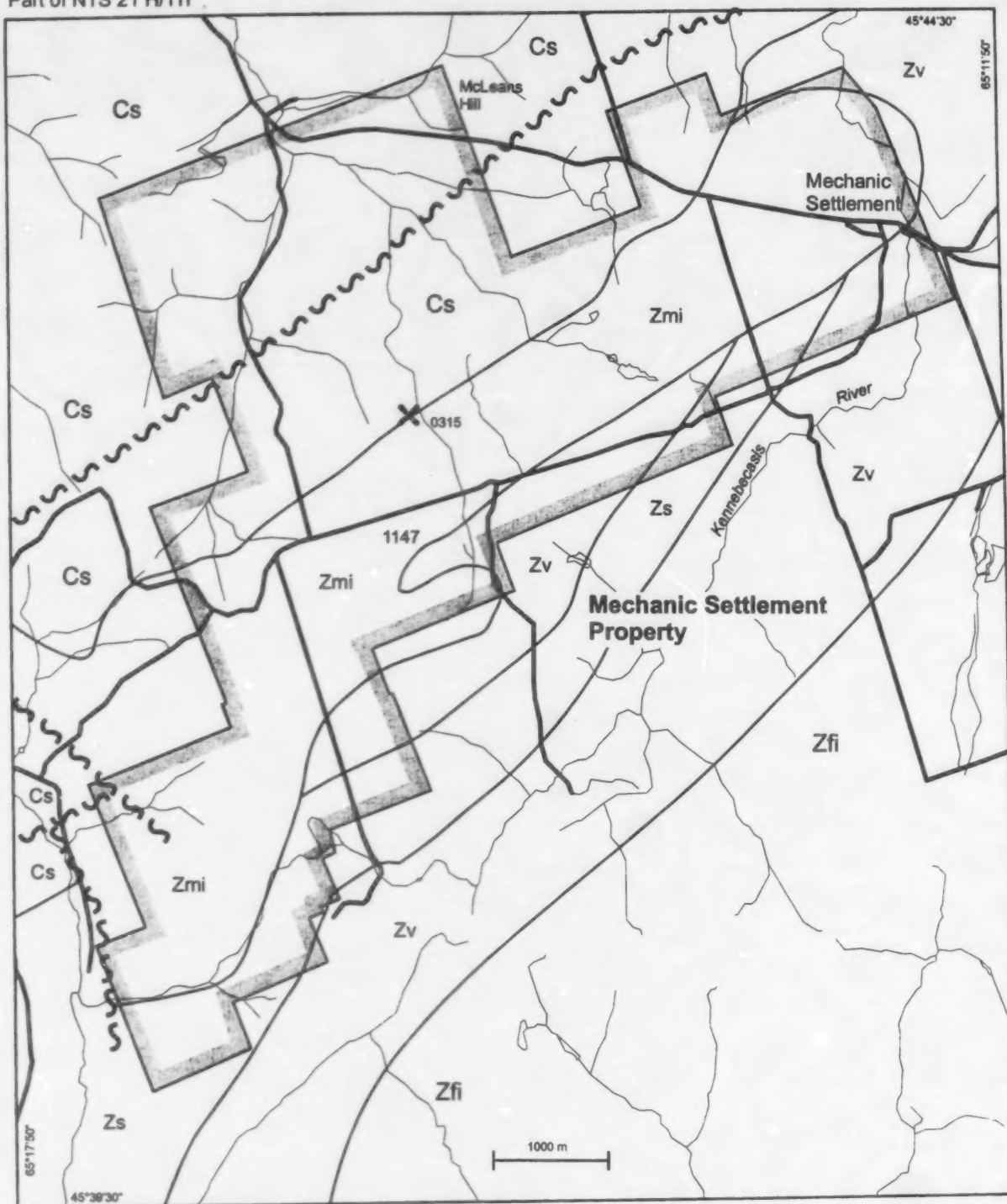
CONTACT PERSON: Robert G. Baxter

PARTNER:

PHONE No.: 506-634-6182

FAX No.:

E-MAIL ADDRESS:



Cs	Carboniferous sedimentary rocks	Zv	Precambrian volcanic rocks
Zfi	Precambrian felsic intrusive rocks	Zs	Precambrian sedimentary rocks
Zmi	Precambrian mafic and ultramafic intrusive rocks	X	Mineral occurrence with Unique Record Number

NOTES

EPIGENETIC GOLD AND ANTIMONY DEPOSITS

**Property 62: Armstrong Brook
(Au)**

LOCATION: Approximately 5 km east of Cape Spencer, St. John County, NB

NTS: 21 H/4W (1:20 000 sheets 21 H/4e, f)

OWNER'S NAME AND ADDRESS: Pro-Max Resources Inc., 161 Upper Golden Grove,
Rothsay, NB E2S 2Y6

PROPERTY DESCRIPTION: Twenty-seven claims (group 3586) staked in 1999, currently in good standing until 24 June, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS: Copper, hematite

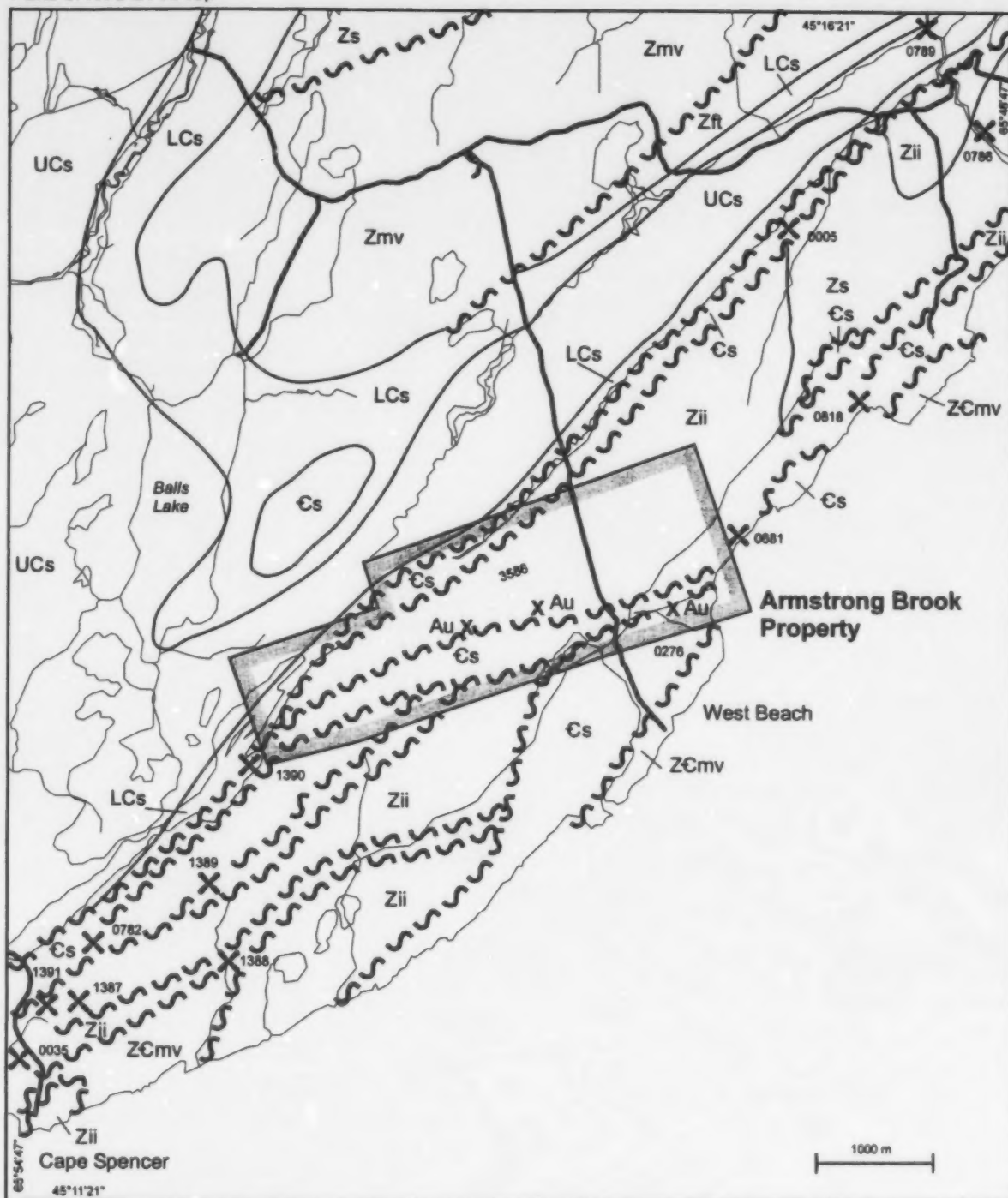
NATURE OF MINERALIZATION: Coarse, visible gold with fine gold dust in 1-2 m wide quartz veins cutting illitized thrust zone in at least 5 locations. Good VLF and soil geochemical signature extending 3.5 km, visible gold at two locations. Coincident airborne radiometric anomaly (K and Th). Grades in Zone A of 12.9, 20.6, 37.0, 41.1, and 53.5 g/t Au. Grades in Zone B (400 m away) range up to 23.1 g/t Au. Coarse and fine gold occur in both zones. The Gold Brook Zone, 12 000 m east of Zones A and B has assayed up to 7.75 g/t over 3 m (channel sample).

EXPLORATION HISTORY: Glenvet and Cuvier carried out various ground surveys but did not do follow-up work in this particular area on these geophysical and geochemical anomalies.

RECOMMENDED WORK: Ready for trenching and/or drilling.

CONTACT PERSON: Emilio Doiron	PARTNERS: Bill Gardiner
PHONE No.: 506-849-7954	Raymond Thorn
FAX No.: 506-849-0493	E-MAIL ADDRESS: sfield@nb.sympatico.ca

Parts of NTS 21 H/4e,f



UCs Upper Carboniferous sedimentary rocks
 LCs Lower Carboniferous sedimentary rocks
 Cs Cambrian sedimentary rocks
 ZCmv Neoproterozoic and/or Cambrian mafic volcanic rocks

Zmv Neoproterozoic mafic volcanic rocks
 Zii Neoproterozoic intermediate intrusive rocks
 Zft Neoproterozoic felsic crystal tuff
 Zs Neoproterozoic sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 63: Devil Pike
(Au, Ag)**

LOCATION: Accessible by road 3 km northwest of the town of Hatfield Point, Kings County, NB.

NTS: 21 H/12W (1:20 000 sheet 21 H/12e)

OWNER'S NAME AND ADDRESS: Fosters Resources Ltd., Suite 1900, 520 5th Avenue SW,
Calgary, AB T2P 3R7

PROPERTY DESCRIPTION: The property consists of twenty-five claims (group 3354) currently in good standing, subject to renewals, until 2006, at which time additional work is required.

MAIN MINERAL/ELEMENT: Gold and silver (electrum)

SECONDARY MINERALS/ELEMENTS: Copper, zinc, and lead

NATURE OF MINERALIZATION: Vertical mesothermal vein system hosted by metabasalt, and volcanoclastic rocks belonging to the Queens Brook Formation.

EXPLORATION HISTORY: From 1989 to 1996, prospecting, geological mapping, geochemical survey, geophysical surveys, trenching, and 54 diamond-drill holes.

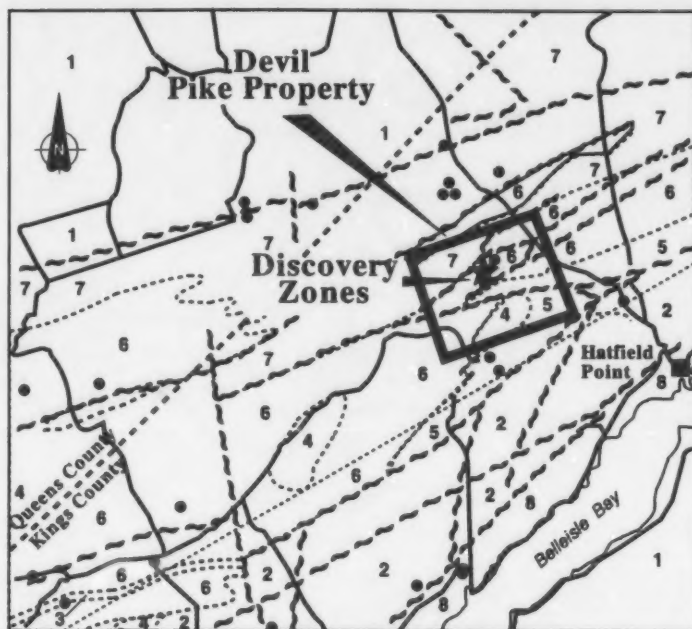
RECOMMENDED WORK: Additional diamond drilling to expand the existing resource of 50 000 tons (~45 390 t) grading 0.45 oz./ton (~15.42 g/t). Untested strike length is 2000 m, open to depth.

CONTACT PERSON: Mr. Randy Pawliw, President, Fosters Resources Ltd.

PHONE No.: 403-234-8802

FAX No.: 403-237-2335

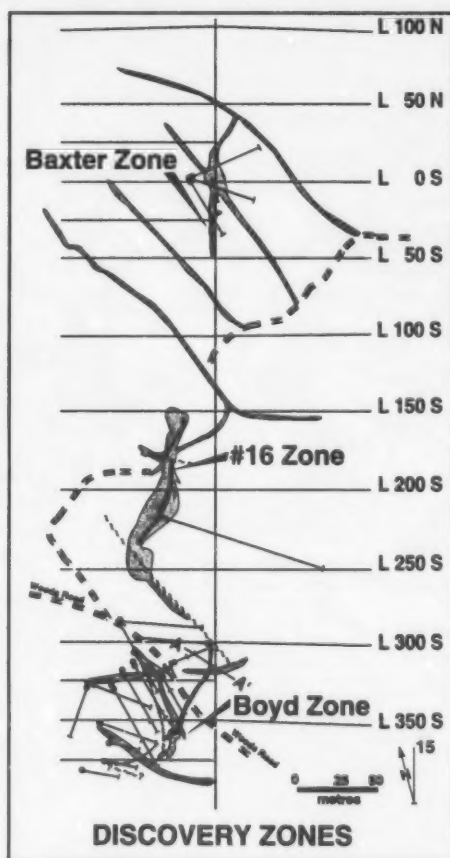
E-MAIL ADDRESS:



GEOLOGY MAP

- Devonian/Carboniferous**
- 8 Clastic Rock Units
- Ordovician-Silurian**
- Queen Brook FM**
- 7 Mixed Mafic Volcanics and sediments
 - 6 Mafic Volcanics
 - 5 Turfs and Shales
 - 4 Granite Intrusive
 - 3 Felsic Volcanics
- Cambrian**
- 2 Sedimentary Rock Units
 - 1 Undifferentiated Sediments and Volcanics
- Gold Occurrences
 - Fault
 - - - - - Contacts
 - Roads
 - - - - - Powerline

0 1000 2000 3000
Scale



DISCOVERY ZONES



LOCATION MAP

FOSTERS RESOURCES LTD.

DEVIL PIKE PROPERTY
KINGS COUNTY, NEW BRUNSWICK

**Property 64: Violet
(Au)**

LOCATION: Near the village of Fairfield.

NTS: 21 H/5W (1:20 000 sheet 21 H/5c)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Fifteen claims (group 3646) currently in good standing until 18 November, 2001. Possible deal: joint venture.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS: Copper

NATURE OF MINERALIZATION: Cape Spencer type structural traps – sediments and Carboniferous granites.

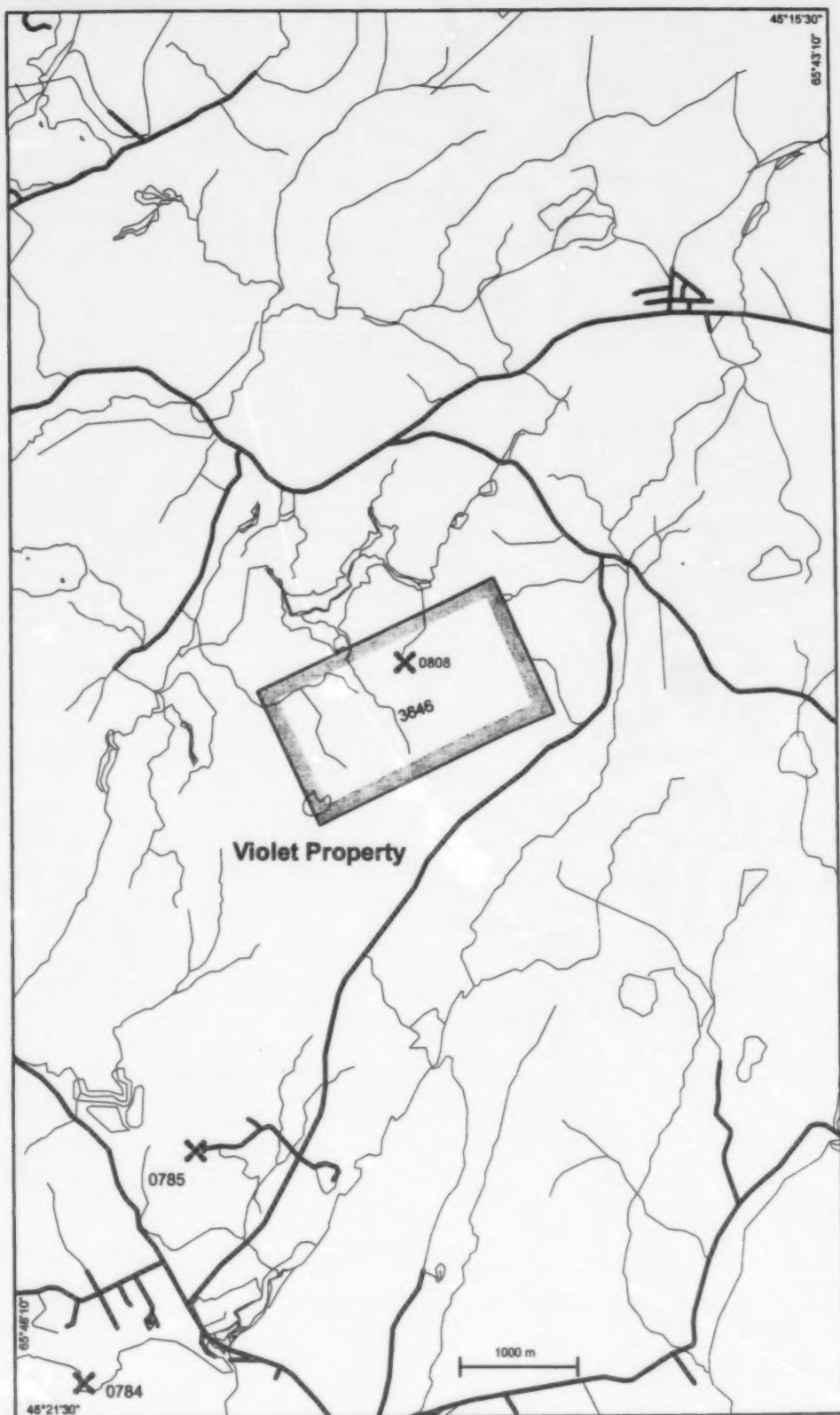
EXPLORATION HISTORY: At the time work stopped, 2 m of 0.28 oz. [~8.71 g] gold in drill core and 0.13 oz. [~4.04 g] in grab rock samples at surface were not followed up. Extensive soil anomaly with values up to 2000 ppb gold. On the extension of the Cape Spencer / Mispic Resources fault or structural lineation. Gold and copper occur in cross-cutting structural traps in sediments/felsic volcanic rocks and Carboniferous granites. Associated with sericitic alteration and to less degree, silica. Previous work included 6 drill holes, IP, VLF, and soils.

RECOMMENDED WORK: Geochemical rock prospecting, backhoe trenching, and channel sampling at showings, further IP and drilling.

CONTACT PERSON: Ken Whaley
PHONE No.: 506-363-5513
FAX No.: 506-363-4524

PARTNER:

E-MAIL ADDRESS:



**Property 65: Malachite
(Cu, Ag)**

LOCATION: 80 km west of Bathurst, NB on Highway 180.

NTS: 21 O/10E, 21 O/7E (1:20 000 sheets 21 O/10b, 21 O/7g)

OWNER'S NAME AND ADDRESS: Log House Construction Ltd., 606 Garden St., Bathurst, NB
E2A 2P6

PROPERTY DESCRIPTION: Fourteen claims (group 3314) currently in good standing until 5 November, 2001.

MAIN MINERAL/ELEMENT: Copper, silver

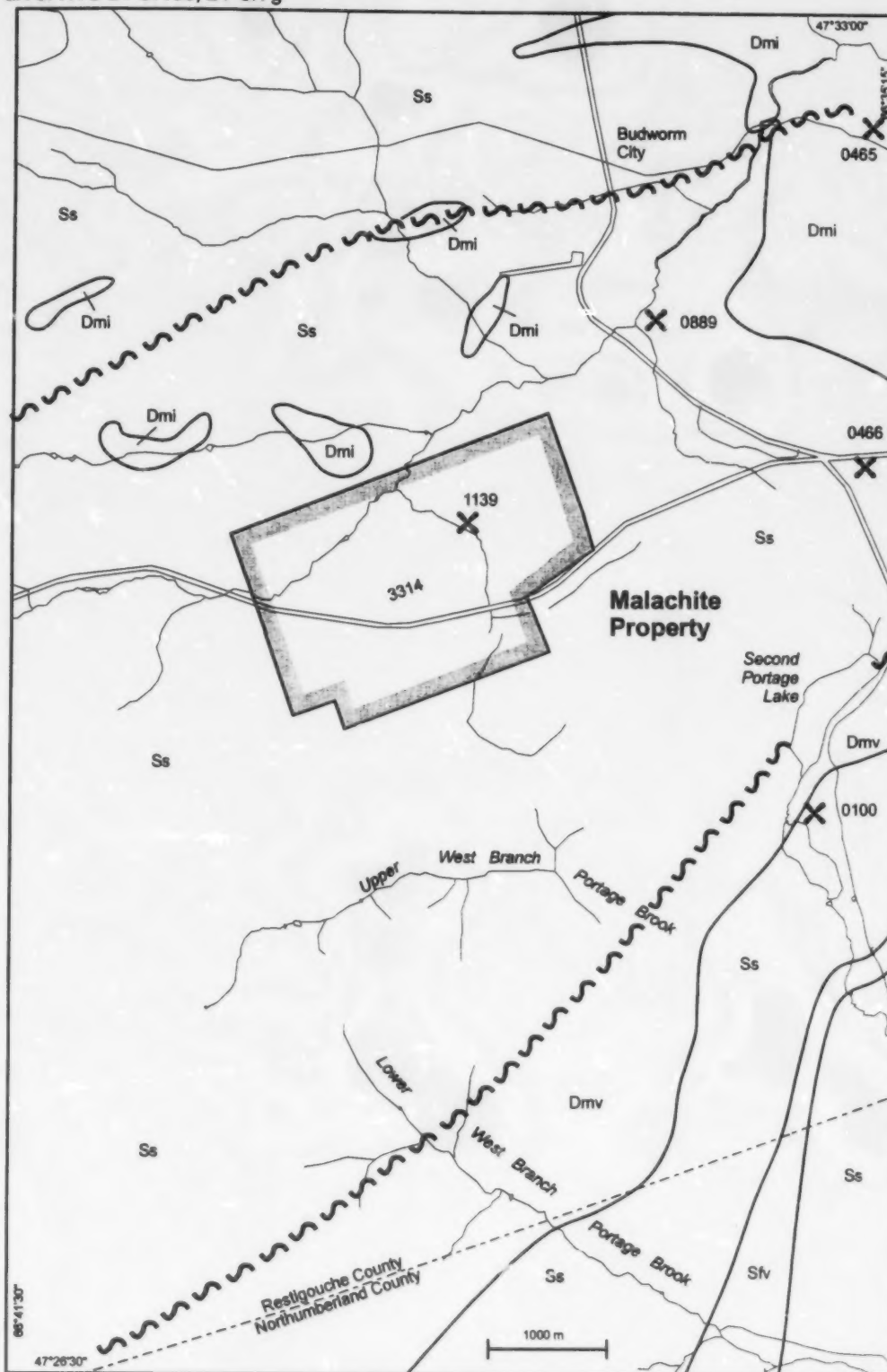
SECONDARY MINERALS/ELEMENTS: Gold

NATURE OF MINERALIZATION: Veins and fracture fillings within Devonian (?) felsic volcanic rocks, spatially related to mafic intrusion. Rock samples assayed 290 000 ppm Cu, 9.0 ppm Ag, and 27 000 ppb Au.

EXPLORATION HISTORY: VLF-EM, trenching

RECOMMENDED WORK: Drilling

CONTACT PERSON: Log House Construction Ltd. PHONE No.: 506-546-6283 FAX No.:	PARTNER: E-MAIL ADDRESS:
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Dmi Devonian mafic intrusive rocks
 Dmv Devonian mafic volcanic rocks
 Sfv Silurian felsic volcanic rocks
 Ss Silurian sedimentary rocks

X Mineral occurrence with Unique Record Number

**Property 66: Big Pit
(Au)**

LOCATION: Near Portage Brook

NTS: 21 O/10E (1:20 000 sheet 21 O/10b)

OWNER'S NAME AND ADDRESS: Log House Construction Ltd., 606 Garden St., Bathurst, NB
E2A 2P6

PROPERTY DESCRIPTION: The Big Pit group (3350) consists of 20 claims currently in good standing until 30 January 2000.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS: Copper

NATURE OF MINERALIZATION: Epithermal vein copper and gold.

EXPLORATION HISTORY: No previous exploration in this area.

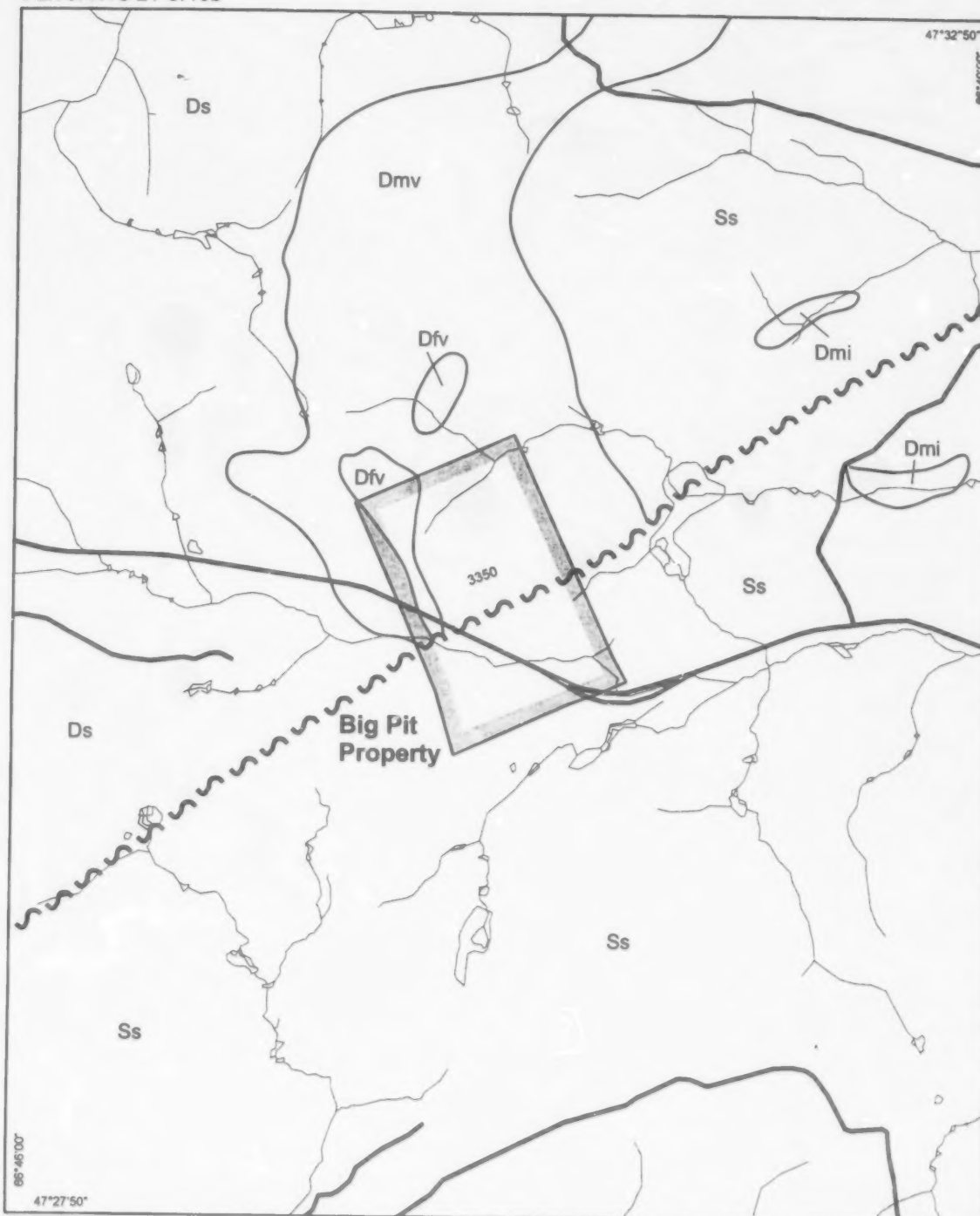
RECOMMENDED WORK: General prospecting, soil and rock geochemistry, and trenching.

CONTACT PERSON: Rufus Smith
PHONE No.: 506-546-6283
FAX No.:

PARTNER:

E-MAIL ADDRESS:

Part of NTS 21 O/10b



Dmi Devonian mafic intrusive rocks
 Dfv Devonian felsic volcanic rocks
 Dmv Devonian mafic volcanic rocks

Ds Devonian sedimentary rocks
 Ss Silurian sedimentary rocks

**Property 67: Evandale
(Au)**

LOCATION: Evandale, 30 km north of Saint John, NB

NTS: 21 G/9E (1:20 000 sheet 21 G/9a)

OWNER'S NAME AND ADDRESS: Bruce G. Taylor, 2901 Highway 420, Matthews, NB
E1V 3Y2

PROPERTY DESCRIPTION: Thirteen claims (group 3532) currently in good standing until 5 February 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS: Silver, copper, lead

NATURE OF MINERALIZATION: Quartz veins and sulphides occur in fault breccia near the contact between a granitic stock and magnetite-bearing sediments. Extensive brecciation and carbonate alteration. Veins grade up to 0.47 oz./ton (~7.57 g/t) Au, 9.4 oz./ton (~322.1 g/t) Ag, 2.41% Cu, 6.67% Zn, and 4.74% Pb.

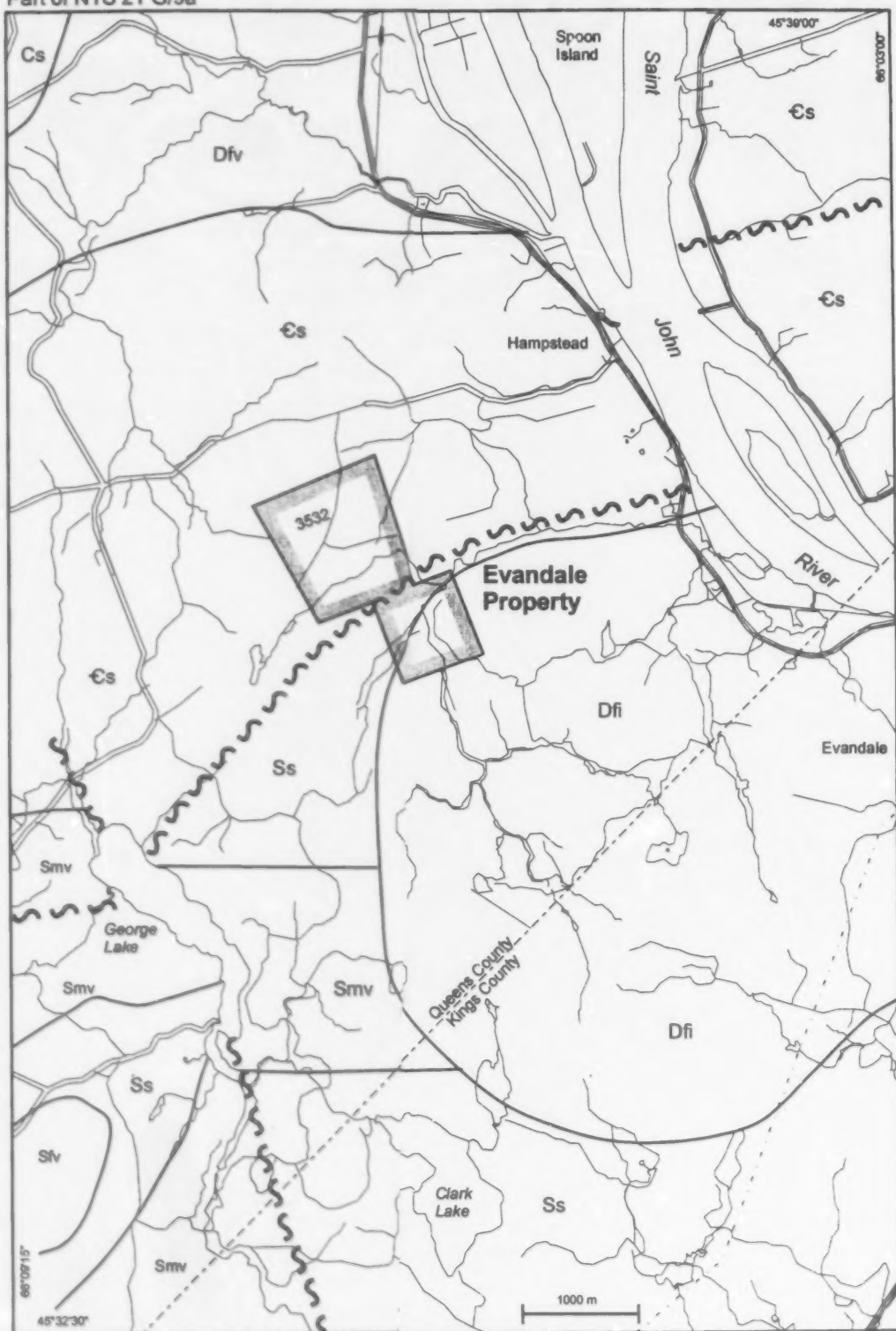
EXPLORATION HISTORY: Dome Exploration Ltd. (Placerdome) drilled 11 holes in 1980. They intersected numerous gold-sulphide-bearing veins in the granite. The holes stopped at the sediment contact. There is excellent potential in the brecciated, carbonate-altered sediments flanking the contact.

RECOMMENDED WORK: Surface exploration including prospecting, geological mapping, soil geochemistry, and geophysical surveys. Exploration should focus on the brecciated, carbonate-altered sediments in addition to the existing mineralized zone.

CONTACT PERSON: Mike Taylor
PHONE No.: 506-627-1353
FAX No.: 506-622-8392

PARTNER:

E-MAIL ADDRESS: slam2@nbnet.nb.ca



Cs Carboniferous sedimentary rocks
 Dfv Late Devonian felsic volcanic rocks
 Dfi Devonian felsic intrusive rocks

Sfv Silurian felsic volcanic rocks
 Smv Silurian mafic volcanic rocks
 Ss Silurian sedimentary rocks
 Cs Cambrian sedimentary and volcanic rocks

**Property 68: Devil Pike Brook
(Au, Cu, Pb, Zn)**

LOCATION: 40 km north-northeast of Saint John on the north side of Belleisle Bay, NB

NTS: 21 H/12W (1:20 000 sheet 21 H/12e)

OWNER'S NAME AND ADDRESS: PGE Resource Corporation, P.O. Box 4626, Rothesay, NB
E2E 5X3

PROPERTY DESCRIPTION: Claim groups 2561 and 1660, 176 claims.

MAIN MINERAL/ELEMENT: Gold, base metals

SECONDARY MINERALS/ELEMENTS: Antimony

NATURE OF MINERALIZATION: Shear zone hosted gold deposits; volcanogenic massive sulphide deposits.

EXPLORATION HISTORY: Between 1989 and 1998, various geochemical surveys, geophysical surveys, trenching, and diamond drilling were conducted by Noranda, PGE Resource Corp., and Foster's Resources Ltd.

RECOMMENDED WORK: IP surveys and diamond drilling to locate source of float assaying up to 42.8 g/t Au.

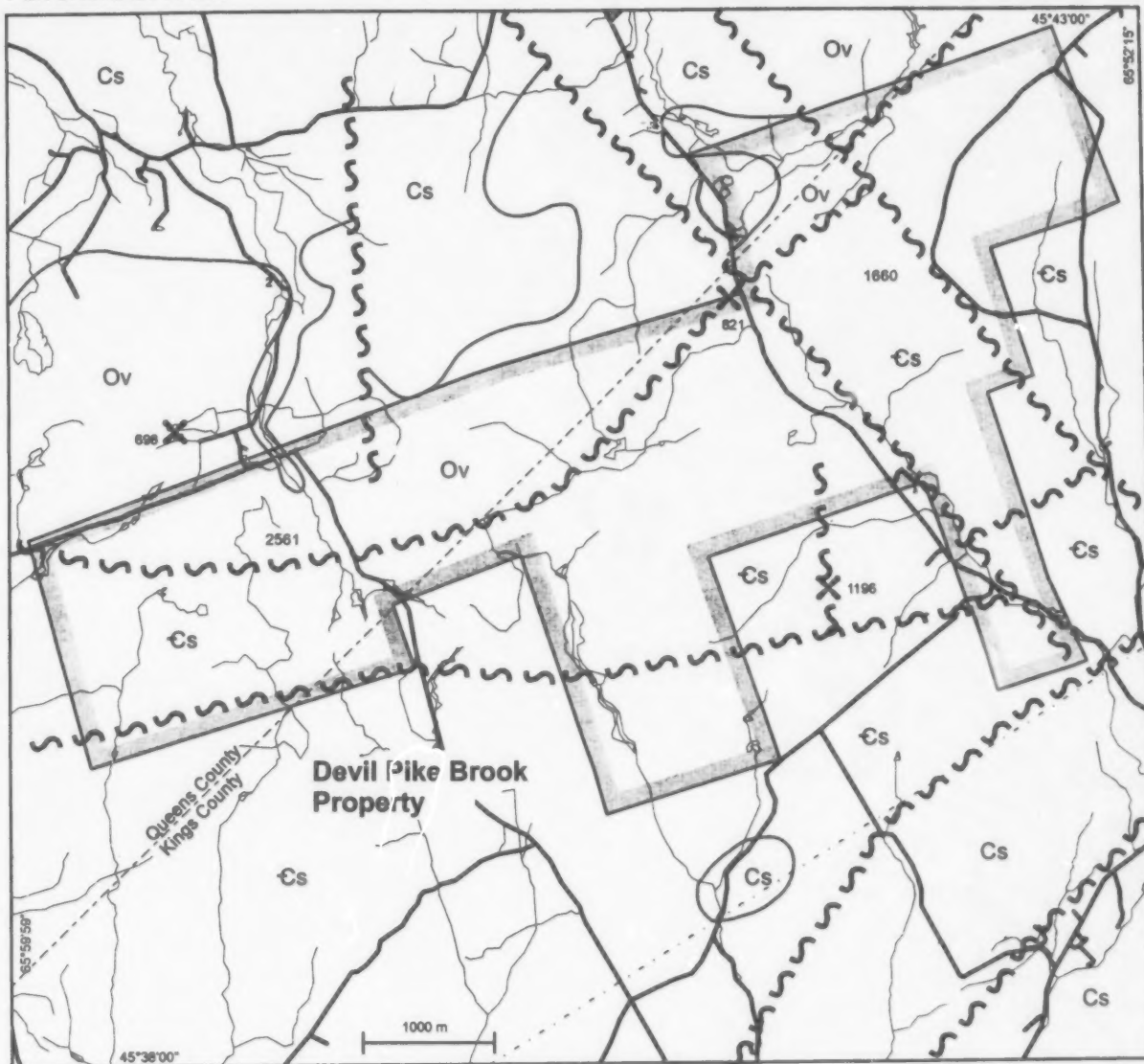
CONTACT PERSON: Robert G. Baxter

PARTNER:

PHONE No.: 506-634-6182

FAX No.:

E-MAIL ADDRESS:



- Cs Carboniferous sedimentary rocks
- Ov Ordovician - mainly volcanic rocks
- Cs Cambrian sedimentary and volcanic rocks
- X Mineral occurrence with Unique Record Number

**Property 69: East Scotch Settlement
(Au, Ag)**

LOCATION: 10 km southeast of Cambridge Narrows, NB

NTS: 21 H/13W (1:20 000 sheet 21 H/13c)

OWNER'S NAME AND ADDRESS: Atcan Capital Corp, P.O. Box 4626, Rothesay, NB E2E 5X3

PROPERTY DESCRIPTION: Claim group 3151, 22 claims.

MAIN MINERAL/ELEMENT: Gold, silver

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Shear zone hosted gold deposits.

EXPLORATION HISTORY: Prospecting, mapping, soil geochemistry, trenching, and some drilling were conducted by Lacana, BP Resources, Phelps Dodge, and ATCAN Capital Corp.

RECOMMENDED WORK: Trenching, IP surveys, diamond drilling to locate source of float assaying up to 14.81 g/t Au.

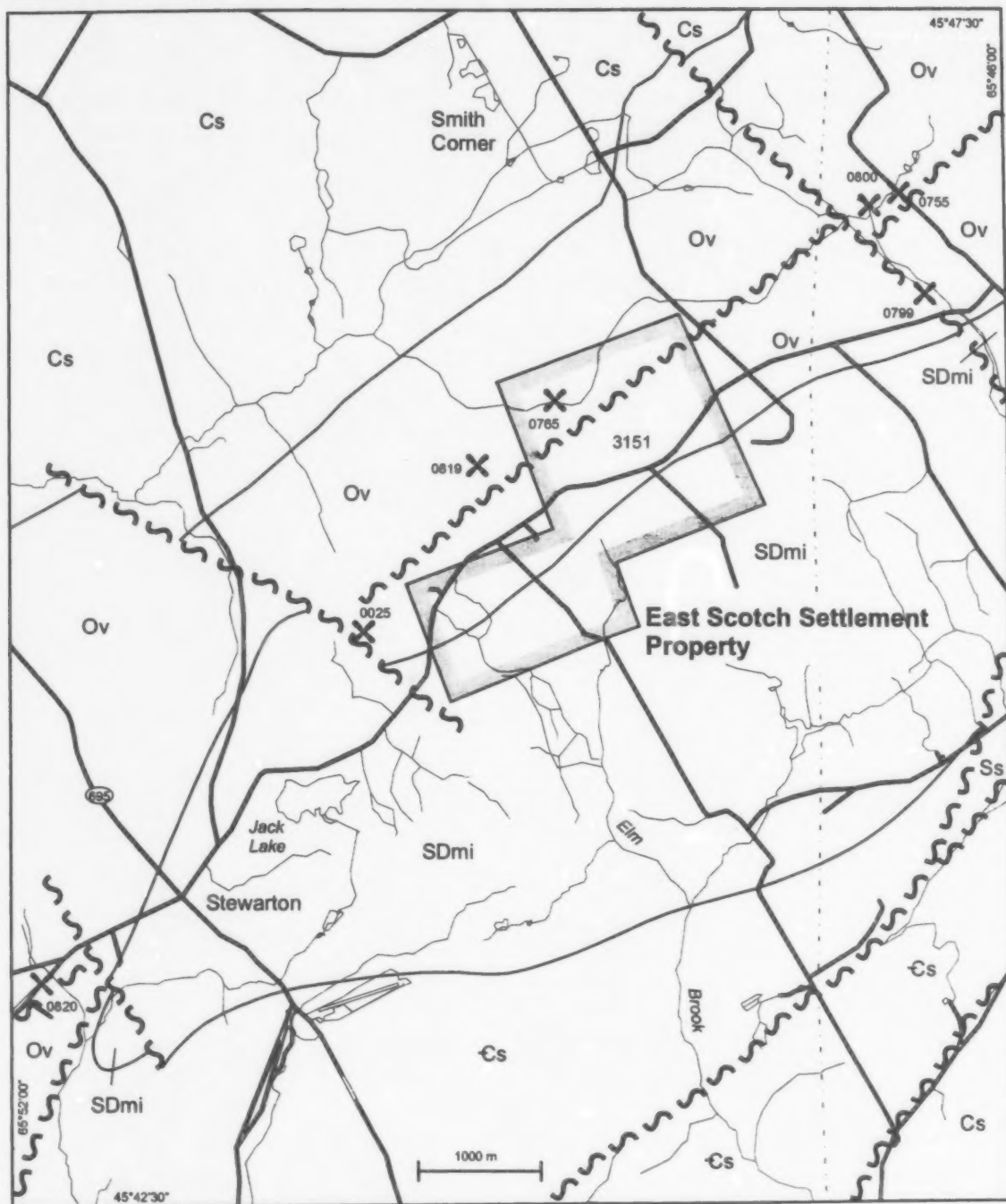
CONTACT PERSON: Robert G. Baxter

PARTNER:

PHONE No.: 506-634-6182

FAX No.:

E-MAIL ADDRESS:



- Cs Carboniferous sedimentary rocks
- SDmi Silurian-Devonian mafic and ultramafic intrusive rocks
- Ov Ordovician volcanic and sedimentary rocks
- Cs Cambrian sedimentary and volcanic rocks
- X Mineral occurrence with Unique Record Number

**Property 70: Gold Tetagouche
(Au)**

LOCATION: Near Tetagouche Lake, NB

NTS: 21 O/9E (1:20 000 sheet 21 O/9g)

OWNER'S NAME AND ADDRESS: Joey Black, 240 Lakeside Avenue, Bathurst, NB E2A 2S7

PROPERTY DESCRIPTION: The Gold Tetagouche group (3278) consists of 5 claims currently in good standing until 18 September, 2001. This group is in its third term; no work has been reported to date.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION:

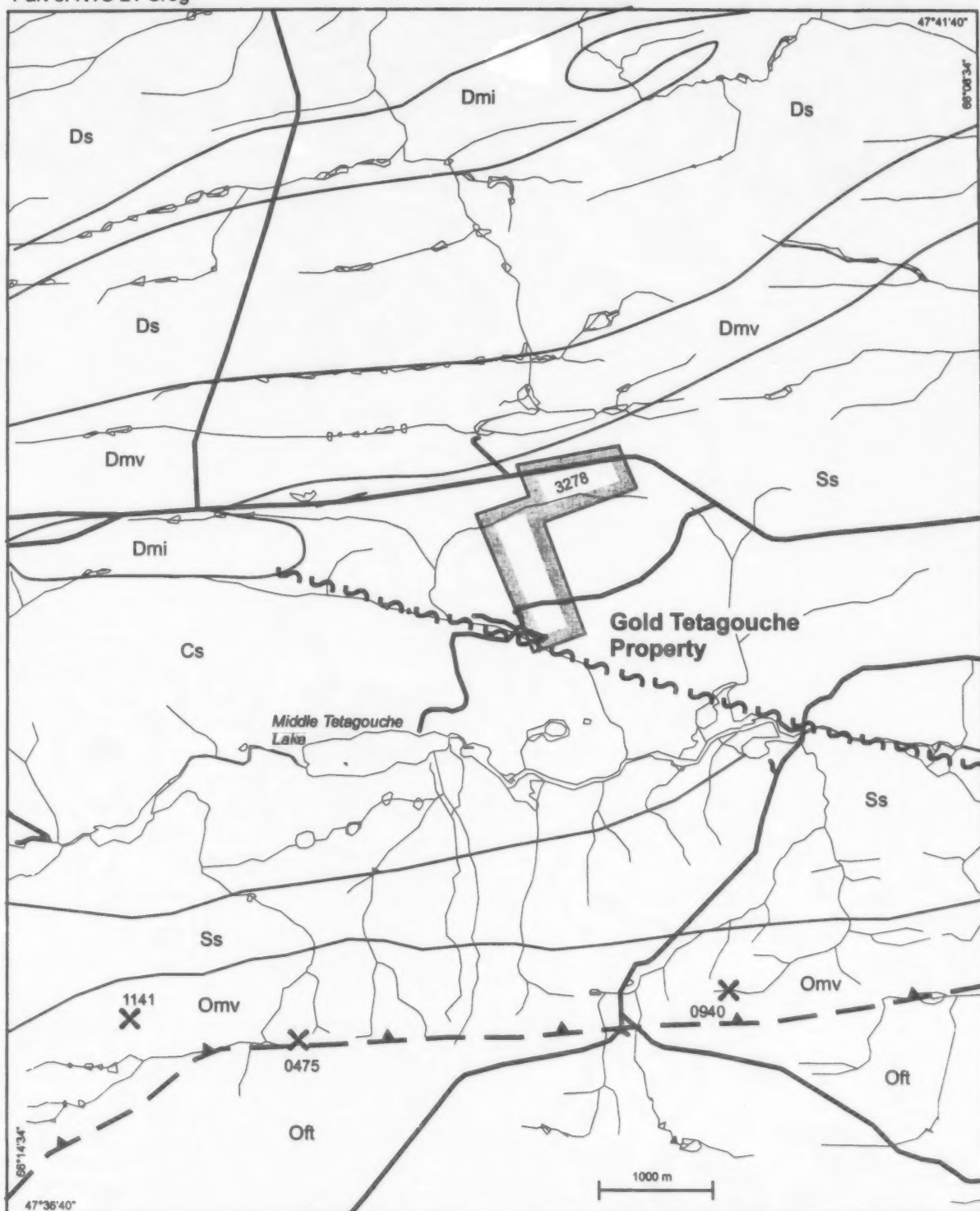
EXPLORATION HISTORY:

RECOMMENDED WORK: General prospecting, soil and rock geochemistry.

CONTACT PERSON: Joey Black
PHONE No.: 506-545-6134
FAX No.:

PARTNER: Don Black

E-MAIL ADDRESS:



Cs Carboniferous sedimentary rocks
 Dmi Devonian mafic intrusive rocks
 Ds Devonian sedimentary rocks
 Dmv Devonian mafic volcanic rocks

Ss Silurian sedimentary rocks
 Omv Ordovician mafic volcanics; minor sedimentary rocks
 Oft Ordovician felsic crystal tuff; minor sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 71: Noel Grid
(Au)**

LOCATION: 36 km west of Bathurst, NB in the Tetagouche Lakes / Arleau Brook area.

NTS: 21 O/9 E (1:20 000 sheet 21 O/9g)

OWNER'S NAME AND ADDRESS: Lorenzo Noel, 17 Alfreda St., Bathurst, NB E2A 7B5.

PROPERTY DESCRIPTION: Claim block 3359; 43 claims currently in good standing until 12 March, 2001.

MAIN MINERAL/ELEMENT: Gold (27 500 ppb from float sample)

SECONDARY MINERALS/ELEMENTS: Copper

NATURE OF MINERALIZATION: Disseminated arsenopyrite in quartz and altered rhyolite.

EXPLORATION HISTORY:

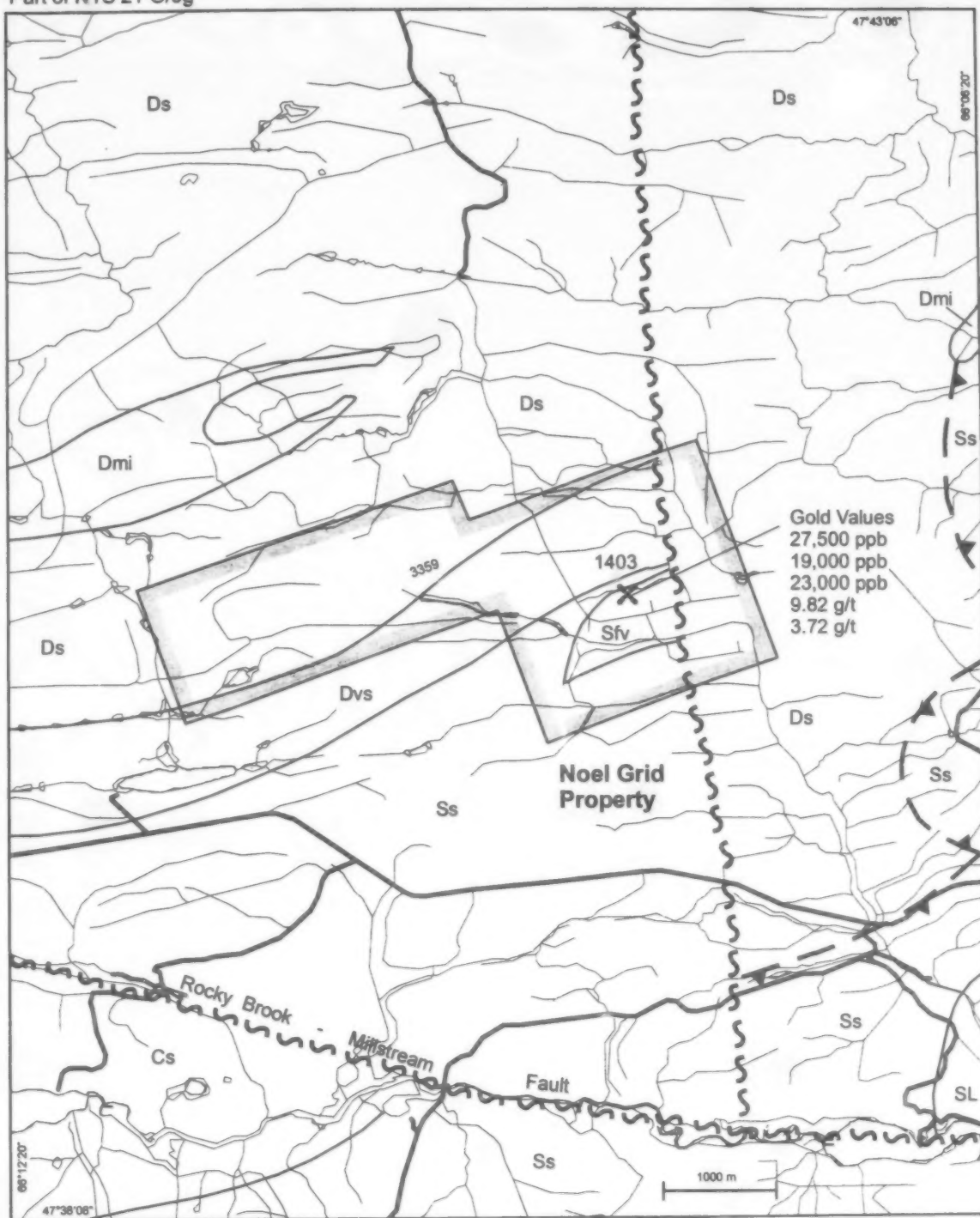
RECOMMENDED WORK: Further prospecting, drilling and trenching.

CONTACT PERSON: Lorenzo Noel **PARTNER:**

PHONE No.: 506-548-8490

FAX No.:

E-MAIL ADDRESS:



Assays provided by L. Noel

Cs Carboniferous sedimentary rocks
 Dmi Devonian mafic intrusive rocks
 Ds Devonian sedimentary rocks

SL Silurian limestone and siltstone
 Sfv Silurian felsic volcanic rocks
 Ss Silurian sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 72: McDougall Brook
(Au)**

LOCATION: McDougall Brook, Sunbury County, southern NB

NTS: 21 G/10E (1:20 000 sheet 21 G/10b)

OWNER'S NAME AND ADDRESS: Reg Cox, 106 Maddison Avenue, Fredericton, NB E3A 2N4

PROPERTY DESCRIPTION: Five claims (group 2961) currently in good standing until 3 April, 2001.

MAIN MINERAL/ELEMENT: Gold

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Gold in quartz breccia, values up to 1 g/t from float over distance of 2 km.

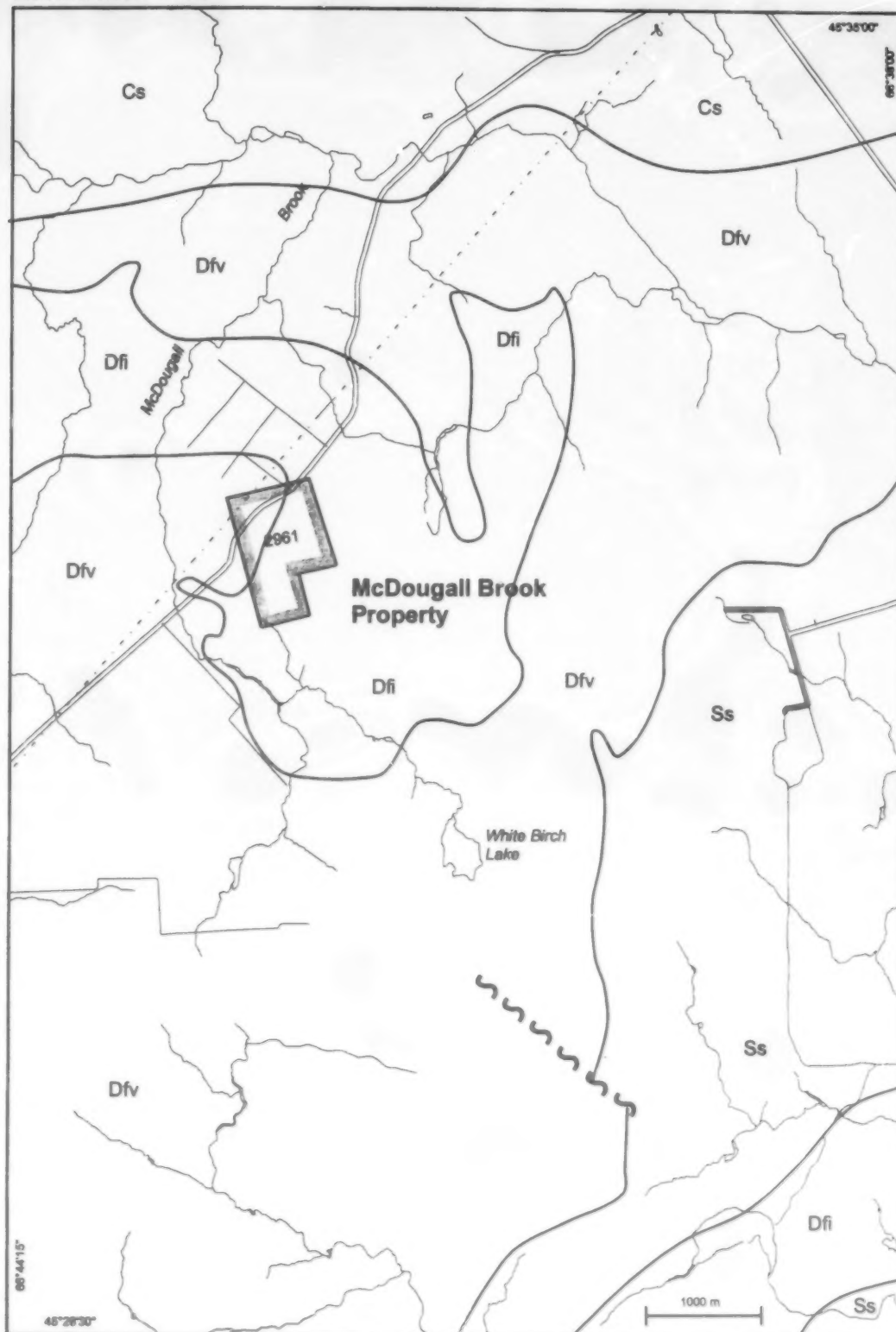
EXPLORATION HISTORY: Very little work has been done in this area of gold potential. In 1997, limited magnetometer and prospecting. Bedrock source has not yet been explained.

RECOMMENDED WORK: Trenching, geophysics, drilling to find source of mineralized float.

CONTACT PERSON: Reg Cox
PHONE No.: 506-453-9086
FAX No.:

PARTNER:

E-MAIL ADDRESS:



- Cs Carboniferous sedimentary rocks
- Dfi Late Devonian felsic intrusive rocks
- Dfv Late Devonian felsic volcanic rocks (Mount Pleasant)
- Ss Silurian sedimentary rocks

NOTES

INDUSTRIAL MINERAL DEPOSITS

**Property 73: Demoiselle
(Gypsum, Anhydrite)**

LOCATION: 15 km south of Moncton at Hillsborough, southern NB

NTS: 21 H/15E (1:20 000 sheet 21 H/15b)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Twelve claims (groups 3353 and 3442) currently in good standing until 13 February 2001 and 1 September 2001, respectively. Possible deal: Option.

MAIN MINERAL/ELEMENT: Gypsum, anhydrite

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Five million tonnes of 98.8% CaSO_4 (anhydrite) outlined.

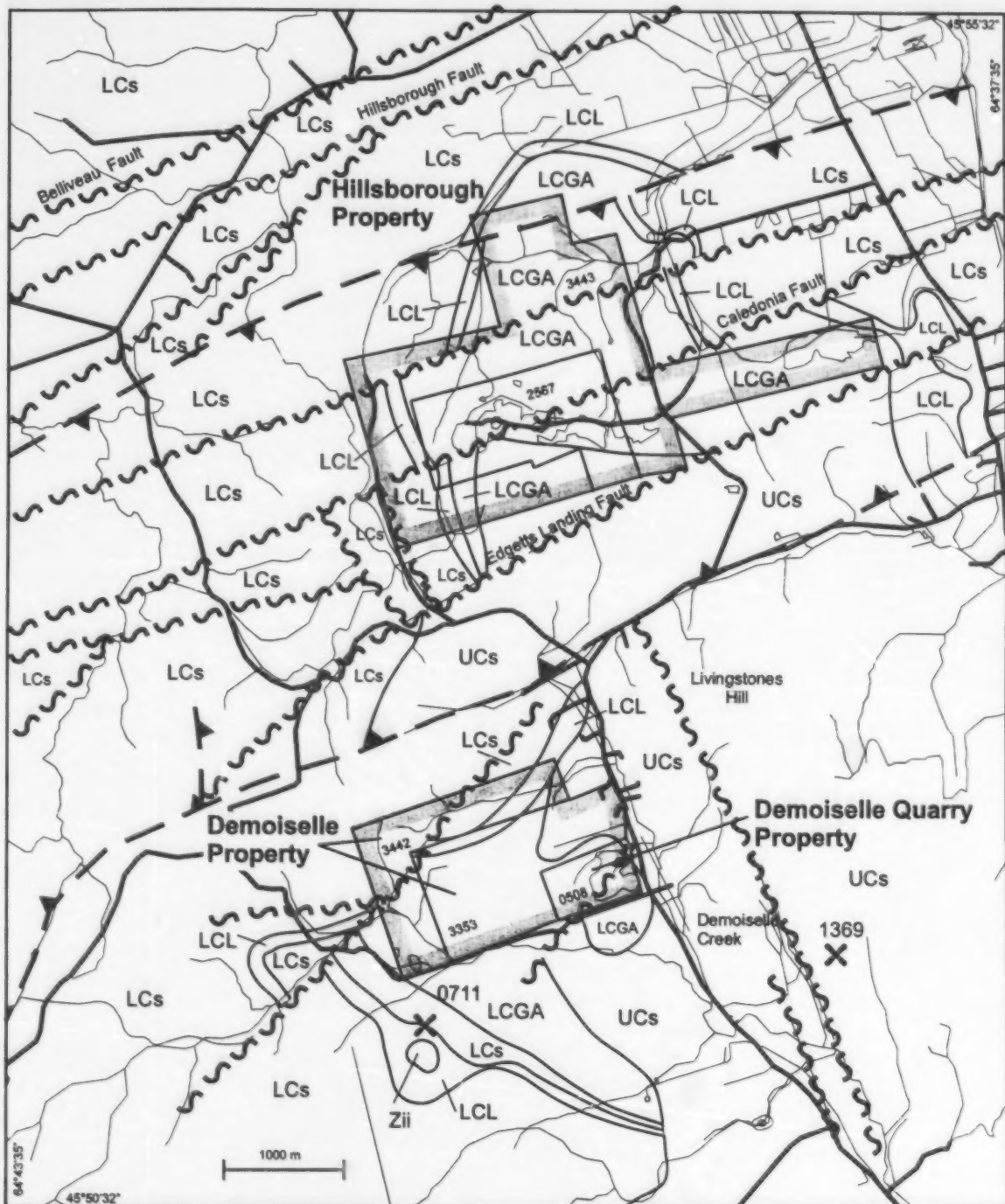
EXPLORATION HISTORY: Drilling and assaying.

RECOMMENDED WORK: Further drilling and assaying; market development.

CONTACT PERSON: Ken Whaley
PHONE No.: 506-363-5513
FAX No.: 506-363-4524

PARTNER:

E-MAIL ADDRESS:



UCs Upper Carboniferous sedimentary rocks
 LCGA Lower Carboniferous gypsum/anhydrite
 LCL Lower Carboniferous limestone

LCs Lower Carboniferous sedimentary rocks
 Zii Neoproterozoic intermediate intrusive rocks
 X Mineral occurrence with Unique Record Number

**Property 74: Demoiselle Quarry
(Gypsum)**

LOCATION: 15 km south of Moncton at Hillsborough, southern NB

NTS: 21 H/15E (1:20 000 sheet 21 H/15b)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Two claims (group 0508) currently in good standing until 1 April, 2001. Possible deal: Requires partner with marketing knowledge or customers who require a source of gypsum.

MAIN MINERAL/ELEMENT: Gypsum

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Quarry produced plaster grade from 1880-1980 (100 years). Millions of tonnes remaining. High-quality, pure white (Terra Alba grade) 99.8% gypsum with little or no impurities. Environment and mine department permits obtained, environmentally bonded. Quarry face developed. Model: Carboniferous evaporates.

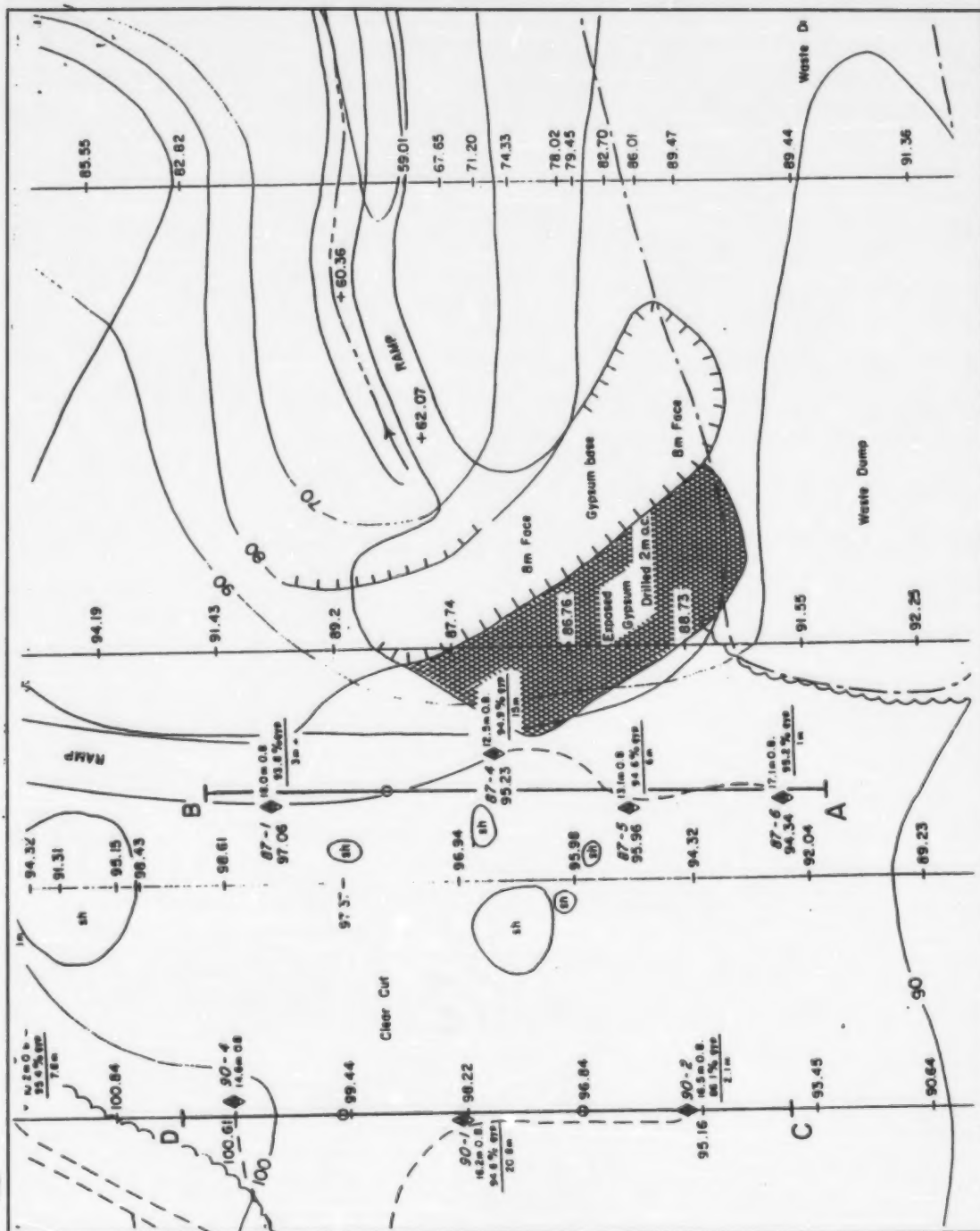
EXPLORATION HISTORY: Drilling and assaying. Permitting and market development are currently being carried out.

RECOMMENDED WORK: Market development.

CONTACT PERSON: Ken Whaley PHONE No.: 506-363-5513 FAX No.: 506-363-4524	PARTNER: E-MAIL ADDRESS:
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Note: See figure on following page.

Demoiselle Quarry



Prepared by Ken Whaley

- sh Sinkhole
- ◊ Borehole, vertical borehole
- 90 — Topographic contour (10-metre interval)
- Quarry

**Property 75: Hillsborough
(Anhydrite)**

LOCATION: 15 km south of Moncton at Hillsborough, southern NB

NTS: 21 H/15E (1:20 000 sheet 21 H/15b)

OWNER'S NAME AND ADDRESS: Ken Whaley, 61 Kingsclear Drive, Upper Kingsclear, NB
E3E 1R6

PROPERTY DESCRIPTION: Thirty-three claims (groups 3443 and 2567) currently in good standing until September, 2001. Possible deal: Requires partner with marketing knowledge or customers who require a source of anhydrite.

MAIN MINERAL/ELEMENT: Anhydrite

SECONDARY MINERALS/ELEMENTS:

NATURE OF MINERALIZATION: Eighteen million tonnes of 98.8% CaSO_4 (anhydrite) has been outlined.

EXPLORATION HISTORY: One hundred years of gypsum production.

RECOMMENDED WORK: Market development.

CONTACT PERSON: Ken Whaley PHONE No.: 506-363-5513 FAX No.: 506-363-4524	PARTNER: E-MAIL ADDRESS:
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NOTE: See map on page 163.

NOTES

**Property 76: Mud and Cow Lakes
(Diatomite)**

LOCATION: Two km north of Bethel, Charlotte County, NB

NTS: 21 G/2W (1:20 000 sheets 21 G/2e, f)

OWNER'S NAME AND ADDRESS: McMinn Pit Ltd., 73 Frederick Street, St. Andrews, NB
EOG 2X0

PROPERTY DESCRIPTION: Nine claims (groups 3562, 3560, and 3570) staked in 1999; currently in good standing until 21 April, 26 April, and 12 May 2001, respectively.

MAIN MINERAL/ELEMENT: Diatomite

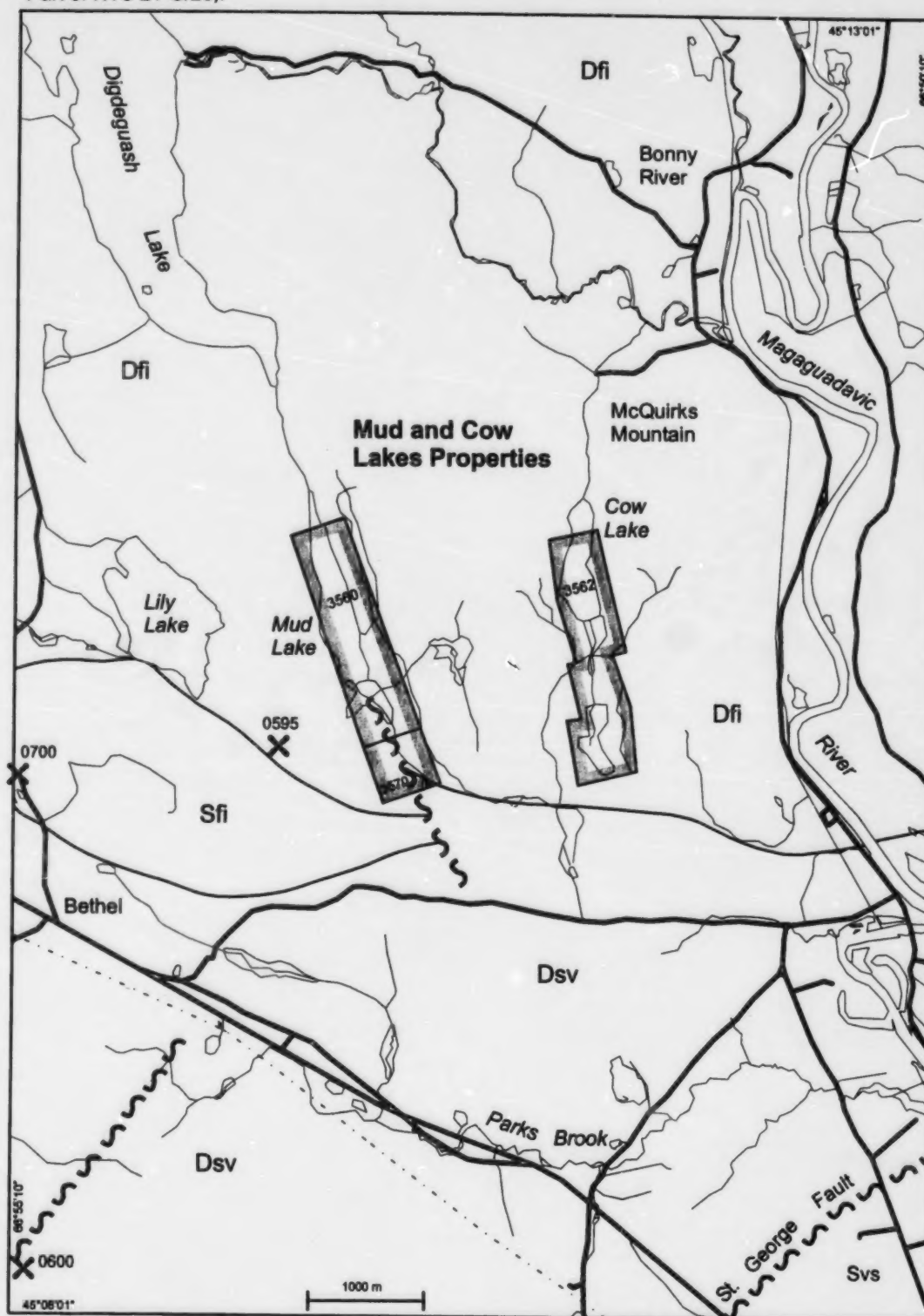
SECONDARY MINERALS/ELEMENTS: Peat

NATURE OF MINERALIZATION: Diatomite on the floor of eutrophied lakes and adjacent bogs. 75 000 to 100 000 tons of high-grade (>350 acre-tons/foot) material (Wright 1943); 300 000 to 500 000 tons of lower grade material indicated (estimated from drill intersections reported in NBDNR Open File Report 77-10 by J. Leveille).

EXPLORATION HISTORY: Drilled and tested by provincial government in 1930s and again in the late 1960s. Data compiled on Cow Lake and Mud Lake diatomites (Leveille 1977). Work this year has centred on evaluating the adjacent bogs. Drilling of lake planned for after freeze-up.

RECOMMENDED WORK: Drilling, trenching, tonnage calculations, process planning, marketing to horticultural/agricultural markets.

CONTACT PERSON: Alan Gregory	PARTNER:
PHONE No.: 506-529-4300	
FAX No.: 506-529-4320	E-MAIL ADDRESS:



Dfi Devonian felsic intrusive rocks
 Dvs Devonian sedimentary and volcanic rocks
 Sfi Silurian felsic intrusive rocks

Svs Silurian felsic volcanic and sedimentary rocks
 X Mineral occurrence with Unique Record Number

**Property 77: Glebe Mine
(Limestone)**

LOCATION: 10 km southeast of Sussex, near Poley Mountain, southern NB

NTS: 21 H/11W (1:20 000 sheet 21 H/11e)

OWNER'S NAME AND ADDRESS: Maritime Resource Research (MRR) Ltd., 301 Woodstock Road, Fredericton, NB E3B 2H9

PROPERTY DESCRIPTION: The property consists of 9 claims (group 1134), currently in good standing until 4 April 2001. Work requirements have been completed until 2005.

MAIN MINERAL/ELEMENT: High-grade limestone

SECONDARY MINERALS/ELEMENTS: n/a

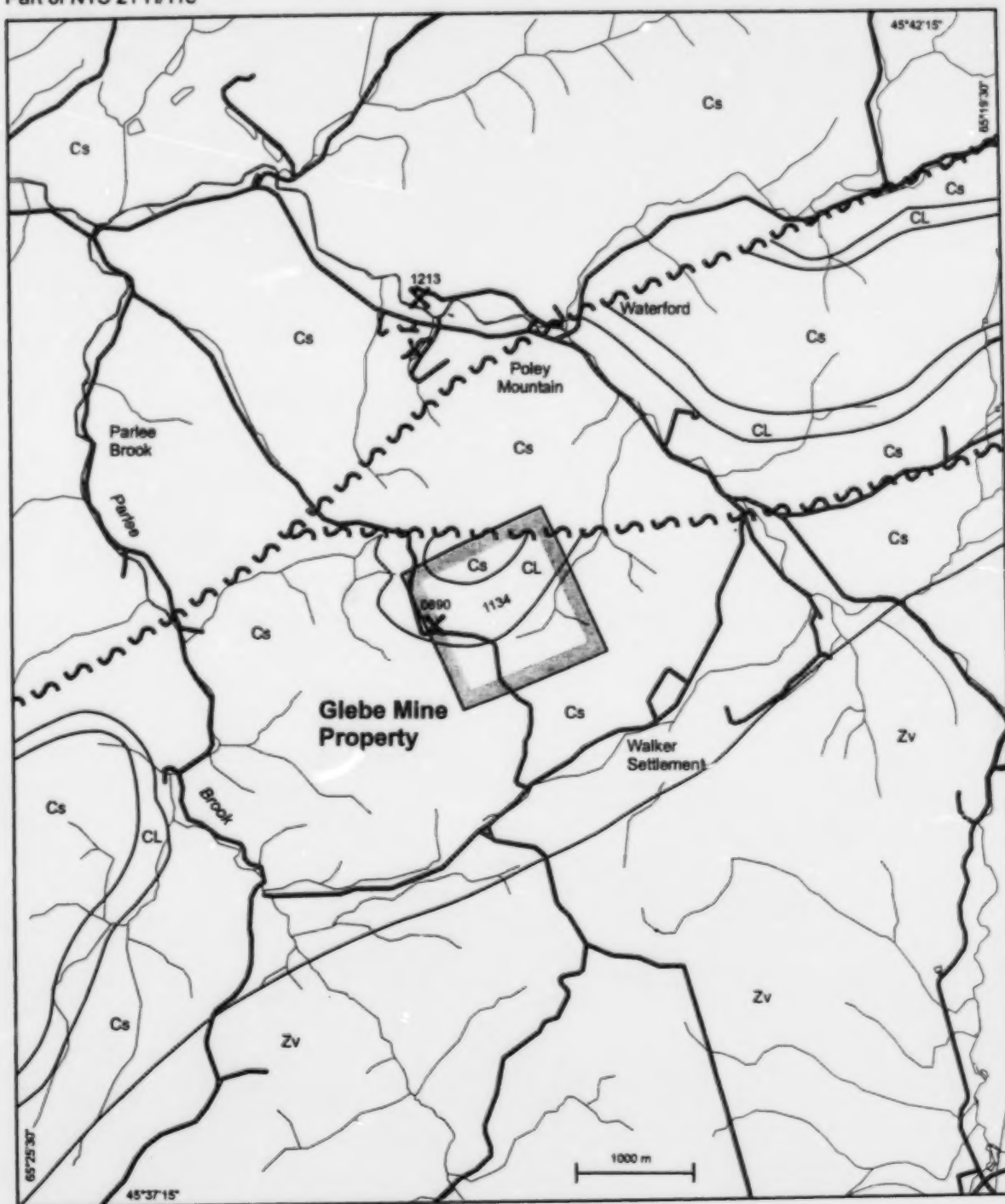
NATURE OF MINERALIZATION: The deposit is hosted in the lower portion of the Windsor Group of marine sediments and evaporites. The deposit consists of blue-grey bedded to massive algal limestone grading into an overlying silty to sandy cap on the northern side of the Marchbank Syncline, with an underlying conglomerate unit. The limestone follows the shape of the syncline resulting in tabular to bowl- or trough-shaped deposit with a flat centre to low-angle edges. A total of 15.3 million tonnes of high-grade CaO have been outlined at the Glebe Mine site as follows: 8.3 million tonnes confirmed – over 53% CaO, 7.0 million tonnes probable – over 50% CaO, and 2.5 million tonnes possible – over 45% CaO.

EXPLORATION HISTORY: 1996-97 New Brunswick Exploration Assistance Program of sampling, over 2000 feet core drilling, analysis of over 300 samples of core.

RECOMMENDED WORK: Ready for development. Additional drilling will expand deposit and tonnage.

CONTACT PERSON: Chris Roberts
PHONE No.: 506-444-8121
FAX No.: 506-444-8125

PARTNER:
E-MAIL ADDRESS: robertsc@nbnet.nb.ca



- CL Carboniferous limestone
- Cs Carboniferous clastic sedimentary rocks
- Zv Precambrian mainly volcanic rocks
- X Mineral occurrence with Unique Record Number

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LIST OF NEW BRUNSWICK MINERAL OCCURRENCES

0001	NEW HORTON	0069	AUSTIN BROOK	0137	RESTIGOUCHE C-4
0002	QUACO HEAD MANGANESE	0070	LAVIGNE BROOK	0138	WODENS ROCK BROOK
0003	BIG SALMON RIVER	0071	CHESTER	0139	RESTIGOUCHE
0004	QUISPAMIS	0072	BELLEDUNE POND	0140	JONPOL
0005	ARMSTRONG BROOK	0073	ELLIS BROOK	0141	DALHOUSIE ROAD
0006	LAKE GEORGE TUNGSTEN	0074	PATAPAT BROOK SOUTH	0142	MULLIGAN GULCH
0007	LAKE GEORGE ANTIMONY	0075	PATAPAT BROOK	0143	GILMOUR BROOK - BEEHLER
0008	SHIN CREEK	0076	MITCHELL SETTLEMENT D	0144	BRUNSWICK NO. 6
0009	SINCLAIR HILL	0077	BRADLEY BROOK D	0145	NEW HIGHRIDGE
0010	PENDER BROOK	0078	GREEN RIVER MOUNTAIN	0146	COULEE
0011	EVANDALE STOCK	0079	MACDONALD POND	0147	LOUVICOURT DEPOSIT
0012	JOHNSON CROFT	0080	ZARINA	0148	LOUVICOURT NORTH
0013	SHAFT	0081	BRADLEY BROOK A	0149	ASTRABRUN NORTH & SOUTH
0014	KEY ANACON	0082	NORTH BRADLEY BROOK	0150	SWAMP LAKE BROOK
0015	MADRAN	0083	GOUGH	0151	CRABBE MOUNTAIN
0016	TURGEON	0084	SERPENTINE RIVER	0152	MAPLE RIDGE
0017	UPPER NEW RIVER "I"	0085	ANTINOURI LAKE WEST A	0153	PINDER
0018	DISAPPOINTMENT LAKE	0086	ANTINOURI LAKE SOUTH A	0154	LOWER CAVERHILL OCCURRENCES
0019	WHEEL LOUISIANA MINE	0087	DORCHESTER MINE (CU)	0155	WATERVILLE STIBNITE
0020	JAKE LEE BROOK	0088	POPELOGAN LAKE	0156	BLUE MOUNTAIN
0021	MALISEET NORTH	0089	POPELOGAN	0157	PABINEAU
0022	MALISEET SOUTH	0090	PATAPEDIA NORTH	0158	MCDONOUGH TREND B
0023	MALISEET ZINC	0091	GOULETTE BROOK	0159	CAPTAIN
0024	MALISEET EAST	0092	PATAPEDIA SOUTH	0160	SMITH BROOK
0025	JACK LAKE NORTH	0093	UPSALQUITCH LAKE	0161	MOLASSES BROOK
0026	WARDS CREEK	0094	LITTLE NICTOR LAKE	0162	CLEARWATER BROOK
0027	PEEKABOO CORNER	0095	POPPE SOUTH	0163	ROCKY BROOK EAST
0028	CEDAR CAMP	0096	PORTAGE BROOK	0164	SHEAR MINE
0029	GOOSE CREEK - GORDON	0097	UPSALQUITCH LAKE SOUTH	0165	TAYLOR BROOK ROAD
0030	TEAHAN MINE	0098	UPSALQUITCH LAKE GOLD	0166	PABINEAU RIVER 3
0031	SLOOP COVE	0099	GLACIER LAKE	0167	GORDON MEADOW BROOK
0032	TAYLORS ISLAND	0100	PORTAGE LAKES	0168	MCDONOUGH WEST (TREND A)
0033	SCOTT FALLS DAM # 1	0101	ST LEONARD IRON-MANGANESE	0169	CAPTAIN WEST
0034	SCOTT FALLS DAM # 2	0102	SHINGLE GULCH	0170	CAPTAIN NORTH EXTENSION
0035	CAPE SPENCER MINE	0103	CAMPBELL RIVER	0171	MCBEAN BROOK FLUORITE
0036	GOSHEN COPPER	0104	MCMILLAN SETTLEMENT A	0172	LOWER BIRCH ISLAND
0037	DIPPER HARBOUR - ANTHONIAN	0105	NASH CREEK - HICKEY ZONE	0173	SAND BROOK
0038	RED HEAD HARBOUR	0106	BENJAMIN RIVER	0174	SOUTHWEST MIRAMICHI LEAD
0039	ST STEPHEN NI - ROGERS FARM	0107	ELMTREE 8	0175	SLATE ISLAND BROOK
0040	COVERDALE RIVER	0108	ELMTREE 7A	0176	MCLEAN BROOK SOUTH
0041	JORDAN MOUNTAIN COPPER	0109	ELMTREE 9	0177	SOUTHWEST MIRAMICHI EAST
0042	ST STEPHEN NI - C ZONE	0110	ELMTREE 6	0178	THREE MILE LAKE
0043	ST STEPHEN NI - HALL-CARROLL	0111	ELMTREE 5	0179	ROCKY BROOK FLUORITE
0044	MT. PLEASANT - FIRE TOWER ZONE	0112	ELMTREE 4	0180	SISTERS MOUNTAIN
0045	BURNT HILL TUNGSTEN	0113	ELMTREE 3	0181	MIDDLE LANDING
0046	FLAT LANDING BROOK	0114	ELMTREE 2	0182	SUGARY BROOK
0047	NICHOLAS DENYS 1	0115	ELMTREE 1A	0183	PORTAGE RIVER- UDD
0048	MANZER GIBERSON	0116	ELMTREE 4A	0184	NEPISIGUIT BROOK NORTH
0049	TETAGOUCHE FALLS	0117	CARAQUET GALENA	0185	NEPISIGUIT BROOK
0050	SHEEPHOUSE BROOK	0118	PIGEON HILL	0186	FLAT LANDING BROOK EAST
0051	BATHURST COPPER	0119	ANTINOURI LAKE	0187	FALLS BROOK EAST
0052	WEDGE	0120	AHEARN BROOK	0188	BRUMMAGEN BROOK BOG
0053	KNIGHT BROOK	0121	MADRAN WEST AU	0189	COLDSTREAM
0054	BRUNSWICK NO. 12	0122	FAB MAIN ZONE	0190	TOMPKINS PROSPECT
0055	BENJAMIN RIVER SOUTH A	0123	PABINEAU RIVER 1	0191	GLASSVILLE
0056	LUMSDEN	0124	HEADWAY	0192	MACINTOSH BROOK
0057	TAYLOR VILLAGE	0125	BERESFORD COPPER	0193	SOUTH RENOUS RIVER
0058	QUISIBIS MOUNTAIN	0126	NIGADOO 7	0194	DOAKTOWN BOG MN
0059	SHIPPEGAN ISLAND	0127	NIGADOO 6	0195	CLEARWATER BOG IRON
0060	LITTLE SEVOGLE RIVER 1	0128	NIGADOO A, B, C, D, E,	0196	NEW BANDON
0061	STONE BROOK	0129	ATHOLVILLE	0197	STONEHAVEN
0062	ORVAN BROOK	0130	ROB BROOK	0198	ROUGH WATERS
0063	LOWER SOUTH BRANCH JACQUET R.	0131	SQUAW CAP	0199	LITTLE RIVER 3
0064	LONG LAKE	0132	COX BROOK	0200	STE. ANNE
0065	PABINEAU LAKE	0133	PABINEAU RIVER 2	0201	WEST BATHURST
0066	ROCHE LONG LAC	0134	SE UPSALQUITCH RIVER - NW	0202	PETERS RIVER WEST
0067	MULLIN STREAM	0135	SE UPSALQUITCH RIVER - WEST	0203	GAYTHORNE BOG
0068	NAPAN RIVER	0136	UPSALQUITCH FORKS	0204	LAWSON BROOK

LIST OF NEW BRUNSWICK MINERAL OCCURRENCES

0205	RUSSELL	0273	RICHMOND CORNER	0341	BEAR LAKE
0206	COLD BRANCH BROOK	0274	SHARPE FARM	0342	LITTLE MCDUGALL LAKE SOUTH
0207	SISSON BROOK - ZONES 1 & 2	0275	MOODY HILL & IRON ORE HILL	0343	LITTLE MCDUGALL LAKE EAST
0208	SISSON BROOK - ZONE 3	0276	WEST BEACH	0344	SAND BROOK MOUNTAIN
0209	NASHWAAK	0277	WAKEFIELD- AREA 2	0345	SAND BROOK LAKE WEST "I"
0210	BECAGUIMEC LAKE	0278	MAPLE HILL- AREA 1	0346	OTTER LAKE COPPER "I"
0211	ROCKY BROOK LAKE	0279	OAK MOUNTAIN IRON	0347	SPRING BROOK
0212	CARAQUET BAY IRON	0280	WICKHAM IRON	0348	TROUT LAKE - WESTERN MINES "I"
0213	GRAND ANSE	0281	UNION CORNER	0349	SOUTH BRANCH OROMOCTO RIVER
0214	ROCKY BROOK IRON	0282	STRACHENS LAKE BROOK EAST	0350	SCOUILLAR BROOK "I"
0215	LOWER HAYDEN BROOK A	0283	STRACHENS LAKE BROOK	0351	WILDCAT BROOK "I"
0216	BREWER BROOK	0284	TV TOWER GROUP	0352	NASON BROOK "I"
0217	NAPADOGAN PYRITE	0285	DEVILS ELBOW	0353	LOGANS MOUNTAIN-NORTH "I"
0218	EAST LONG LAKE	0286	NORTH RENOUS	0354	ORMOND LAKE "I"
0219	ZEALAND STATION	0287	WILLETT	0355	HAM LEE BROOK "I"
0220	JONES FORKS BOG	0288	TWO AND A HALF MILE BROOK	0356	EAST BR MCDUGALL INLET "I"
0221	NORTHEAST NACKAWIC RIVER	0289	TIN HILL	0357	TAMARACK BROOK MOLYBDENITE "I"
0222	NACKAWIC FLUORITE	0290	RANGER BROOK	0358	TAMARACK BROOK CU-PB
0223	CALIFORNIA LAKE - 685 ZONE	0291	MACDONALD BROOK	0359	A LAKE NORTH "I"
0224	CALIFORNIA LAKE - 325 ZONE	0292	SOUTH RIDGE BERYL / MOLY	0360	CUNDY LAKE "I"
0225	GRAVEL HILL	0293	CLEARWATER BK WEST BERYL N & S	0361	SANDY POINT
0226	SPRINGFIELD	0294	BEAVER BROOK LAKE BERYL	0362	ST STEPHEN ARENA
0227	TAFFY LAKE	0295	SOUTH BURNTHILL BROOK BERYL	0363	BURNT ISLAND
0228	SAINT JOHN RIVER GOLD	0296	HARRIS LAKE A	0364	MCKEEL LAKE
0229	UPPER NORTHAMPTON GOLD	0297	HARRIS LAKE URANIUM	0365	RESERVE BROOK
0230	GRAFTON	0298	PEAKED MOUNTAIN	0366	HENDERSON LAKE
0231	UPPER NORTHAMPTON	0299	MCBEAN BROOK	0367	PLOURDE
0232	CONNELL MOUNTAIN	0300	CLEVELAND PROSPECT	0368	KEYMET
0233	UPPER NORTHAMPTON BARITE	0301	TODD MOUNTAIN NORTHWEST	0369	MACLEOD SIDING
0234	OAK MOUNTAIN	0302	TODD MOUNTAIN	0370	QUISIBIS RIVER
0235	SOUTH NEWBRIDGE	0303	HEAD OF LITTLE DUNGARVON A	0371	FERRIS BROOK "I"
0236	WRIGHT BROOK	0304	PEAKED MOUNTAIN WEST	0372	TENNANTS COVE
0237	ISLAND LAKE NORTH & SOUTH	0305	MCLEAN BROOK NORTH	0373	JONES CREEK
0238	NEPISIGUIT RIVER IRON	0306	OTTER BROOK	0374	WICKHAM "I"
0239	NEPISIGUIT "C"	0307	LOWER BURNTHILL BROOK	0375	GEORGE LAKE "I"
0240	NEPISIGUIT "B"	0308	FOUR MILE BROOK- VEIN 1	0376	BALD HILL
0241	NEPISIGUIT "A"	0309	WELSHPOOL	0377	ELDER JACKSON ROAD "I"
0242	CANOE LANDING LAKE	0310	ADAMS ISLAND	0378	BEULAH "I"
0243	SWAMP LAKE	0311	LETETE MINE	0379	LONDON SETTLEMENT
0244	BOUCHER BROOK	0312	UPPER BERTRAND IRON	0380	ROCKY BROOK CAMPS
0245	SOUTH BRANCH FORTY MILE BROOK	0313	LEAD POND	0381	ROCKY BROOK SOUTH A
0246	HILLMAN COPPER	0314	MOUNT PLEASANT - NORTH ZONE	0382	HURD LAKE NORTH
0247	TOMPKINS	0315	MECHANIC SETTLEMENT 1	0383	GILMAN BROOK FLUORITE A
0248	DOMINION 1	0316	UPPER BLACKVILLE	0384	FOUR MILE BROOK W-MO
0249	DUGAN ROAD-EAST	0317	GRAINFIELD	0385	FOUR MILE LAKE A
0250	BEDELL FARM & POULLES FARM	0318	UNDERHILL BOG	0386	TROUT LAKE PLUTON SE B
0251	SILVERMAQUE	0319	CANAAN RIVER	0387	TROUT BROOK- UPPER
0252	STRATMAT CENTRAL SOUTH	0320	MEMRAMCOOK EAST	0388	TROUT BROOK- LOWER A
0253	STRATMAT CENTRAL NORTH	0321	EAGLE LAKE	0389	TROUT LAKE PLUTON EAST
0254	STRATMAT BOUNDARY WEST	0322	SQUARE LAKE	0390	TROUT BROOK GRANITE A
0255	STRATMAT BOUNDARY	0323	NEREPIS- MATTHEWS BROOK	0391	DEADMAN BROOK GREISEN A
0256	STRATMAT WEST STRINGER ZONE	0324	NEREPIS- WEST BROOK SKARN	0392	FULLERTON BROOK MOLY A
0257	STRATMAT N-5	0325	MISERS HILL	0393	CALIFORNIA LAKE - LACANA
0258	JUNIPER STATION	0326	LOWER COVERDALE (MUD CREEK)	0394	HEATH STEELE G-ZONE
0259	DIAMOND LAKE	0327	DEEP & WEST LAKES	0395	HEATH STEELE A,C & D ZONES
0260	SALMON BROOK	0328	GASPEREAU STATION "I"	0396	HEATH STEELE B-ZONE
0261	BIGGAR RIDGE	0329	UPPER TULLY LAKE- A,B,C	0397	HEATH STEELE E-ZONE
0262	INDIAN BROOK	0330	SIMPSON LAKE	0398	FORTY TWO MILE BROOK
0263	CENTREVILLE	0331	CARIBOU LAKE "I"	0399	FORTY TWO BROOK
0264	STICKNEY	0332	BIG INDIAN LAKE WEST "I"	0400	TAYLOR BROOK (DUFFY)
0265	BENTON	0333	COLES LAKE	0401	LOWER FORTY FOUR MILE BROOK
0266	CONNELL BROOK	0334	NEREPIS GOLD	0402	WEST WEDGE
0267	WOODSTOCK CU-PB	0335	MICROWAVE TOWER	0403	WESTED (TRIBAG)
0268	LILLY BROOK CU-MO	0336	VICTORIA LAKE	0404	LITTLE RIVER LAKE
0269	LILLY BROOK LEAD	0337	BEAR BROOK "I"	0405	LITTE RIVER LAKE (MOWAT)
0270	PLYMOUTH	0338	HOWARD MOUNTAIN "I"	0406	STRATMAT MAIN
0271	NORTH HARTFORD	0339	THREE BRIDGE BROOK WEST	0407	TAYLOR BROOK
0272	SOUTH HARTFORD	0340	DUCK LAKE	0408	MT. FRONSAC

LIST OF NEW BRUNSWICK MINERAL OCCURRENCES

0409	HALF MILE LAKE	0477	MCMASTER	0545	MUSQUASH HARBOUR EAST
0410	HALF MILE LAKE NORTH	0478	MIDDLE RIVER WEST	0546	GOOSEBERRY COVE
0411	FORTY FOUR MILE BROOK - NO 1	0479	ROCKY TURN	0547	GOOSEBERRY VILLAGE
0412	FORTY FOUR MILE BROOK - NO 2	0480	ARMSTRONG D	0548	VINEGAR HILL
0413	FORTY FOUR MILE BROOK - NO 3	0481	ARMSTRONG C	0549	FISHING POINT "I"
0414	MURRAY BROOK	0482	ARMSTRONG B	0550	LOCH ALVA / DEER LAKE
0415	BREWER BROOK	0483	ORVAN BROOK SOUTH	0551	BEAR LAKE
0416	UPSALQUITCH (DUNGANNON)	0484	ARMSTRONG A	0552	DEVIL PIKE BROOK (NW)
0417	MILLSTREAM HENRY	0485	SOUTH MIDDLE RIVER	0553	SPRAGG BROOK
0418	MILLSTREAM - GREAT NORTHERN	0486	SOUTHEAST UPSALQUITCH RIVER	0554	HENDERSON BROOK
0419	PINE TREE	0487	BOUDREAU BROOK	0555	JOLIFFS BROOK
0420	HALF MILE	0488	UPPER MCNAIR BROOK	0556	PEANUT LAKE
0421	ROCKY BROOK 3	0489	YORK MILLS	0557	LITTLE DIPPER HARBOUR BARITE
0422	MILLSTREAM BRIDGE	0490	UPPER BLUE MOUNTAIN LAKE	0558	FIVE FATHOM HOLE
0423	MCCORMACK BROOK	0491	NORTH GULQUAC RIVER	0559	TROUSERS LAKE SOUTH
0424	MCCORMACK BROOK EAST	0492	BLUE MOUNTAIN LAKE	0560	FALL BROOK SOUTH
0425	MILLSTREAM IRON A	0493	RILEY BROOK	0561	FALL BROOK (JOHNSTON)
0426	MILLSTREAM IRON WEST	0494	MABLE BROOK	0562	MARTINS BLUFF
0427	ROCKY BROOK 2	0495	WEST BRANCH SOUTH NEPISIGUIT	0563	LEPREAU RIVER
0428	ROCKY BROOK 1	0496	SALMON HOLE	0564	MUSQUASH HARBOUR WEST
0429	MILLSTREAM 4	0497	MCKENZIE GULCH	0565	GOOSEBERRY VILLAGE MO "I"
0430	MILLSTREAM 3	0498	NORLAND PROPERTY	0566	GOOSEBERRY COVE ZN "I"
0431	MILLSTREAM 2	0499	QUITARD CREEK	0567	DEAD DEER PROSPECT
0432	MILLSTREAM 1	0500	LITTLE RIVER 2	0568	LITTLE DIPPER HARBOUR- COX
0433	MELANSON BROOK A	0501	GRANTS BROOK	0569	DIPPER HARBOUR EAST
0434	STEPHENS BROOK	0502	MILLSTREAM WEST	0570	RAGGED FALLS "I"
0435	STEPHENS BROOK SOUTH	0503	NORTHWEST MIRAMICHI NI-CU	0571	CRANBERRY HEAD- HALEYS COVE
0436	ROCKY BROOK GOLD	0504	FALLS BROOK A	0572	CRANBERRY HEAD
0437	NIGADOO 15	0505	YOUNGS DAM A	0573	SOUTH MUSQUASH
0438	SIMPSON'S FIELD	0506	YOUNGS DAM SKARNS A	0574	WESTERN HEAD
0439	NICHOLAS DENYS 9	0507	YOUNGS DAM WEST	0575	GOOSE CREEK WEST
0440	NICHOLAS DENYS 7	0508	SISTERS BROOK TUNGSTEN	0576	LITTLE MUSQUASH COVE
0441	NICHOLAS DENYS 5	0509	MT. ZACKLEY	0577	BEAVER HARBOUR "I"
0442	NICHOLAS DENYS 6	0510	DUNGARVON (VEINS 2,4,6,11-14)	0578	NEGRO HEAD "I"
0443	UPSALQUITCH FORKS GOLD	0511	DUNGARVON (VEINS 5 & 5A)	0579	WOODLAND COVE NORTH & SOUTH "I"
0444	CARIBOU	0512	DUNGARVON (VEIN 7)	0580	HAGGERTYS COVE
0445	NICHOLAS DENYS 8A	0513	HARRIS BROOK	0581	LOCHS BROOK
0446	NICHOLAS DENYS 8C	0514	BOONE LAKE	0582	CROW COVE
0447	NICHOLAS DENYS 3	0515	BOLTON BROOK A-B-C	0583	SEELEYS BASIN
0448	NICHOLAS DENYS 4	0516	PIRATE LAKE	0584	DEVILS BROOK
0449	NICHOLAS DENYS 2	0517	MANNERS SUTTON	0585	TURNBULL BROOK
0450	TRACADIE RIVER PROSPECT	0518	HARVEY STATION-CHERRY HILL "I"	0586	SILVER ISLAND
0451	TABUSINTAC RIVER	0519	HARTTS LAKE	0587	NEW RIVER GOLD
0452	DISCOVERY ZONE	0520	MCDUGALL BROOK	0588	MATTHEWS LAKE
0453	ST MICHEL	0521	FOSSIL HILL CU	0589	SEELEYS HEAD
0454	WEST GABBRO ZONE	0522	SANDBURN BROOK NORTH	0590	LEPREAU IRON
0455	FOURNIER BROOK A	0523	GRANT BROOK (EAST)	0591	NEW RIVER IRON
0456	MCNEILL BROOK	0524	HENDERSON SETTLEMENT	0592	STEWART MANGANESE
0457	HAYES GULCH	0525	LITTLE ELBOW BROOK	0593	LITTLE SEVOGLE RIVER 3
0458	MCLEAN GULCH	0526	TOBIQUE RIVER-RIGHT HAND BR.	0594	JOHNSON SETTLEMENT
0459	WILDCAT BROOK	0527	CORKERS GULCH	0595	MUD LAKE
0460	JACQUET RIVER CU- H	0528	FOUR MILE BROOK	0596	CANAL
0461	JACQUET RIVER CU - MITCHELL RD	0529	LAMEQUE	0597	SIMPSONS ISLAND
0462	JACQUET RIVER CU - A	0530	POKIOK RIVER "I"	0598	KEDRON GRANITE
0463	BURNTLAND BROOK	0531	CANTERBURY "I"	0599	LONG ISLAND
0464	BURNTLAND NORTH	0532	COOTES HILL "I"	0600	BASALTIC ISLAND EAST
0465	RAMSAY BROOK	0533	TEMPLE "I"	0601	OVEN HEAD
0466	PORTAGE LAKE - SMITH	0534	HAWKSHAW "I"	0602	BOAT ROCK- FRYE ISLAND "I"
0467	BIG HOLE BROOK D	0535	DUMFRIES	0603	FRYE ISLAND
0468	BIG HOLE BROOK PYRITE	0536	CLEARWATER LAKE	0604	SIMPSON PROSPECTS
0469	GOLD BROOK	0537	FOUR MILE BROOK A & B	0605	CRORY FARM
0470	MULLIN STREAM	0538	MEDUCTIC MANGANESE	0606	HATT FARM
0471	SOUTH NIGADOO	0539	DORRINGTON HILL "I"	0607	LETANG PENINSULA
0472	GUITAR BROOK SOUTH	0540	FLAT TOP MOUNTAIN	0608	DICK PROSPECT
0473	GUITAR BROOK NORTH	0541	LUDGATE LAKE	0609	PLEASANT RIDGE- MOLY "I"
0474	MELANSON BROOK WEST	0542	WALLACE COVE	0610	JIMMY HILL
0475	GREAT NORTHERN DEVCO	0543	LORNEVILLE	0611	PLEASANT RIDGE- CU "I"
0476	TETAGOUCHE RIVER JUNCTION	0544	FRENCHMANS CREEK	0612	OLIVER CAMERON MINE

LIST OF NEW BRUNSWICK MINERAL OCCURRENCES

0613	MCNEAL BROOK	0682	CAPE SPENCER SILICA ZONE	0751	SCOTCH SETTLEMENT ROAD
0614	OTTER LAKE SOUTH	0683	BEECH HILL	0752	CALHOUN #2 "I"
0615	PLEASANT RIDGE SN-ZN	0684	PISKAHEGAN TIN	0753	CALHOUN "I"
0616	RED ROCK	0685	LOWER MILLSTREAM	0754	CHAPMANS CORNER
0617	TOZER	0686	HAMMONDVALE FLUORITE	0755	ANNIDALE (OLD DICK MINE)
0618	MAINS BROOK	0687	SALINA "I"	0756	COBBLER SEXTON
0619	LW N. BRNCH LITTLE SW MIRAMICHI	0688	GOLD MINE GULLY	0757	BULL CREEK NO. 3
0620	GUAGUS	0689	HAMMONDVALE "I"	0758	BRITTON MINE
0621	LITTLE SOUTHWEST MIRAMICHI	0690	GLEBE MINE	0759	KNOWLESVILLE
0622	PARKS BROOK (SOMERS)	0691	MARKHAMVILLE MINE	0760	WINDING HILL
0623	LITTLE SW MIRAMICHI LEAD	0692	MARRTOWN	0761	DAVIS FARM
0624	ST DAVID RIDGE "I"	0693	STEWARTON CU-ZN "I"	0762	WINDGAP BROOK
0625	WATT JUNCTION "I"	0694	KIERSTEAD MOUNTAIN "I"	0763	JORDAN MOUNTAIN MANGANESE
0626	DENNIS STREAM	0695	BERWICK	0764	SMITH CREEK
0627	POUT BROOK "I"	0696	STEWARTON STIBNITE "I"	0765	EAST SCOTCH SETTLEMENT
0628	ST CROIX RIVER	0697	HAMPTON	0766	SHEBA
0629	WEST MILL SETTLEMENT	0698	SHANNON	0767	THOMPSON CORNER "I"
0630	MERIDIAN BROOK CROSSING	0699	ROCKY BROOK URANIUM	0768	BIG RAMSAY BK NORTH TRIBUTARY
0631	SHORE CAMP BROOK	0700	LILY LAKE "I"	0769	LITTLE RAMSAY BROOK
0632	MOORES MILLS # 1	0701	BRITISH SETTLEMENT "I"	0770	BIG RAMSAY BROOK
0633	BLAKENEY MINE	0702	WOODHURST MANGANESE-BARITE	0771	FALLS GULCH
0634	SORREL RIDGE	0703	MOUNT WHATLEY	0772	TRUE HILL
0635	TOWER HILL "I"	0704	MIDGIC "I"	0773	POMEROY
0636	LOWER TOWER HILL- WAVEIG	0705	TANTRAMAR COPPER (BOGS)	0774	LITTLE MOUNT PLEASANT
0637	LOWER TOWER HILL- LEDGE ROCK	0706	UPPER DORCHESTER	0775	CLARENCE BROOK
0638	GALLOP LAKE A-E	0707	DAWSON SETTLEMENT	0776	MCDUGALL INLET - SOUTH "I"
0639	DICKSON BROOK A,B,C	0708	DORCHESTER CAPE	0777	MCDUGALL INLET - CENTRAL
0640	HALEY BROOK WEST	0709	MEMRAMCOOK EAST PYRITE "I"	0778	MCDUGALL INLET - NORTH "I"
0641	HALEY BROOK EAST	0710	CURRYVILLE	0779	PUG HOLE BROOK "I"
0642	COLEMAN ROAD	0711	ALBERT MINES CU-PB-ZN	0780	MCKENZIE BROOK 1
0643	GOWLAND MOUNTAIN	0712	MEMEL MILE	0781	MCKENZIE BROOK 2
0644	ELGIN PROSPECT	0713	SHEPODY MOUNTAIN COPPER	0782	MISPEC RESOURCES
0645	WATERSIDE MANGANESE	0714	PECK CREEK "I"	0783	NAUWIGEAUW
0646	ALBERT MANGANESE	0715	DOVER COPPER "I"	0784	POWERS POINT
0647	FORTY FIVE RIVER	0716	RAT TAIL BROOK "I"	0785	WITHERS FARM
0648	HUNGRY WOLF VEIN	0717	DEED BROOK "I"	0786	BLACK RIVER - SOUTH
0649	WEST RIVER	0718	BLACKWOOD BROOK "I"	0787	BLACK RIVER IRON "I"
0650	BLACKWOOD BLOCK "I"	0719	TURTLE CREEK	0788	BLACK RIVER - EAST BRANCH
0651	MIDWAY & COPP FARM	0720	MOUNT COSTIGAN	0789	BLACK RIVER - NORTH
0652	FENTON POND "I"	0721	SHEPODY MOUNTAIN MANGANESE	0790	LOWER MCNAIR BROOK
0653	UPPER SALMON RIVER "I"	0722	SAWMILL CREEK	0791	LITTLE DUNGARVON
0654	HANWELL	0723	MEMRAMCOOK GOLD	0792	LOWER NORTHAMPTON COPPER
0655	PHYLLIS CREEK "I"	0724	CAPE SPEAR-MELROSE	0793	THREE BRIDGE BROOK EAST
0656	SWAN CREEK "I"	0725	WOOD ISLAND "I"	0794	ROBINSONVILLE
0657	COAC STREAM	0726	CHURCH SHOWING	0795	STEWART
0658	HARVEY MOUNTAIN- ACTON	0727	MEADOW BROOK COVE	0796	MOOSE LAKE
0659	KEDRON BROOK	0728	EASTERN POND "I"	0797	SKULL SHOWING
0660	GOOSE CREEK- COPP	0729	LIBERTY COVE "I"	0798	MOUNTAIN BROOK
0661	QUIDDY RIVER	0730	CHOCOLATE COVE "I"	0799	ANNIDALE- SOUTH FUCHSITE ZONE
0662	VERNON MINE	0731	SOUTHWEST HEAD	0800	ANNIDALE- NORTH FUCHSITE ZONE
0663	MILE BROOK & ROMAN WOLFE	0732	SWALLOWTAIL POINT "I"	0801	GOOSE RIVER
0664	LAKE VIEW	0733	WHALE COVE	0802	MARTIN HEAD PROSPECT
0665	CAINS BROOK "I"	0734	MILLSTREAM WEST GOLD- A	0803	LITTLE LEPREAU- WALTON
0666	MUNIAK RIVER	0735	MIDDLE RIVER GOLD	0804	CLARK POINT
0667	MONQUART RIVER	0736	NORTHERN HEAD	0805	MCMAHON
0668	RIVIERE DE CHUTE	0737	EAST QUODDY HEAD "I"	0806	SEELEYS COVE
0669	TOBIQUE RIVER	0738	FLAGG COVE	0807	THREE BRIDGE BROOK - CARTER
0670	LAKE BRANCH GULQUAC RIVER	0739	SEAL COVE "I"	0808	MARIGOLD
0671	TIDLEY (DEER) MOUNTAIN	0740	LUTES MOUNTAIN	0809	ROCKY LAKE
0672	RENOUS ROAD	0741	BERRY MILLS	0810	A LAKE SOUTH
0673	WAPSKEHEGAN	0742	COAL BRANCH STATION	0811	CARIBOU LAKE "I"
0674	CAMERON MOUNTAIN	0743	ADAMSVILLE BOG	0812	POCOLOGAN LAKES
0675	NORTH VIEW URANIUM	0744	COAL CREEK	0813	SMITH LAKE
0676	ELLIS SILVER MINE	0745	RIDGE BROOK	0814	BACK MEADOW LAKE
0677	PLASTER ROCK URANIUM	0746	EEL GROUD	0815	LAKE ANTHONY BROOK
0678	QUACO ROAD "I"	0747	GRAY RAPIDS	0816	SPARKS LAKE NORTH
0679	HENRY LAKE 1	0748	LETTLE SEVOGLE RIVER 2	0817	MAHOOD BROOK
0680	HENRY LAKE 2	0749	SHEDIAC RIVER #1	0818	EVANS COVE
0681	WEST BEACH MAGNESITE	0750	MCQUADE BROOK	0819	EAST SCOTCH SETTLEMENT - B.P.

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0820	TAYLORS BROOK	0888	CARRY BROOK	0956	ELMTREE 1C
0821	GRANT BROOK WEST	0889	RAMSAY BROOK SOUTH	0957	ELLIS BROOK ASBESTOS
0822	ALCIDE WEST	0890	SOUTHEAST DEPOT	0958	SEARS LAKE
0823	PETERS RIVER MANGANESE	0891	LOWER MCCORMACK BROOK	0959	BEAVER BROOK
0824	ROBESON	0892	LOWER MCNAIR BROOK WEST B	0960	ELLIS BROOK WEST
0825	LONE PINE ADIT	0893	GUITAR BROOK WEST C	0961	MELANSON BROOK C
0826	FREE GRANT D	0894	BENJAMIN RIVER SOUTH C	0962	NORTHWICK ARSENIC
0827	FREE GRANT C	0895	POKIOK BROOK SOUTH	0963	MILLSTREAM FE B
0828	FREE GRANT B	0896	NASH CREEK- BARITE 3	0964	FILE LAKE
0829	FREE GRANT WEST	0897	BIG HOLE BROOK B	0965	MILLSTREAM WEST E
0830	BALDWIN CU- C	0898	DOYLEVILLE	0966	BELLEDUNE RIVER MAGNETITE
0831	STE. ROSETTE NORTH	0899	BENJAMIN RIVER B	0967	LAKE BROOK MAGNETITE
0832	BREWERS MILLS BE	0900	FRENCH VILLAGE PB-ZN "I"	0968	MITCHELL CROSSROADS
0833	FREE GRANT EAST	0901	ELMTREE 13	0969	BOULAY POND
0834	ELMTREE 14	0902	ZEALAND AU	0970	JACQUET RIVER I
0835	DISCOVERY ZONE EAST 2	0903	ROCKY BROOK PLAINS	0971	JACQUET RIVER J
0836	MOUTH OF TWO MILE BROOK	0904	BREWERS MILLS	0972	JACQUET RIVER B
0837	ELMTREE 4B	0905	SPRINGFIELD AU	0973	JACQUET RIVER K
0838	ELMTREE 4C	0906	CARIBOU ROAD SB	0974	JACQUET RIVER C
0839	ELMTREE 4D	0907	ALCIDE EST	0975	JACQUET RIVER D
0840	ELMTREE 4E	0908	SOUTH FOURNIER BROOK	0976	JACQUET RIVER E
0841	MADRAN ARSENIC	0909	CARIBOU ROAD PB-ZN (A & B)	0977	MITCHELL SETTLEMENT B
0842	DISCOVERY ZONE EAST 1	0910	BEAR CREEK	0978	MITCHELL SETTLEMENT C
0843	ZARINA TALC	0911	BEAR CREEK SOUTH A	0979	BIG BROOK COPPER
0844	JACQUET RIVER N	0912	FREE GRANT A	0980	IRON A
0845	OTTER LAKE 2	0913	ANNES CREEK AU	0981	IRON B
0846	OTTER LAKE 1	0914	MILLSTREAM WEST GOLD B	0982	ANTHONIAN ZONE
0847	LOWER NORTHAMPTON CU - B	0915	MILLSTREAM WEST GOLD C	0983	NIGADOO NORTH ZONE
0848	LITTLE BALD MOUNTAIN - PICK	0916	MILLSTREAM WEST GOLD D	0984	SERPENTINE LAKE
0849	GUITAR BROOK WEST B	0917	LOWER TETAGOUCHE LAKE EAST	0985	SOUTH BRANCH NEPISIGUIT MO
0850	ELMTREE 8B	0918	LOWER TETAGOUCHE LAKE WEST	0986	SEWELL BROOK
0851	MACGREGOR CU	0919	SPARTON-MILLSTREAM A	0987	NIGADOO 9
0852	HATTS COVE	0920	BERESFORD WEST	0988	NIGADOO 10
0853	ELMTREE 8C	0921	KEYMET 3	0989	NIGADOO 11
0854	ELMTREE 7B	0922	SISTERS BROOK FORKS	0990	NIGADOO 12
0855	WOODLAND CU	0923	NASH CREEK GOLD	0991	NIGADOO 13
0856	TURGEON- BEAVER POND ZONE	0924	ANTINOURI LAKE NORTH	0992	NIGADOO 14
0857	WELLINGTON LAKE NORTH "I"	0925	LAPOINTE COPPER	0993	MELANSON BROOK D
0858	ACADIA FLUORITE	0926	ELMTREE 11	0994	MELANSON BROOK B
0859	HACHEY	0927	CHANCE HARBOUR	0995	NIGADOO LAKE NORTH A
0860	CORMIER	0928	LITTLE STREAM CU-AG	0996	SPARTON MILLSTREAM B
0861	LUNDBERG	0929	ROSE BROOK	0997	NIGADOO 1
0862	ACADIA CU-FUCHSITE	0930	SIMPSONS FIELD WEST	0998	NIGADOO 2
0863	NARM 1-12	0931	UPSALQUITCH RIVER (BRUNSWICK)	0999	NIGADOO 4
0864	PORPHYRY	0932	MCCORMACK BROOK WEST A & B	1000	NIGADOO 5
0865	DAVIES NO. 24	0933	JONPOL SOUTH	1001	GUITAR BROOK WEST GOLD A
0866	ROBERTVILLE 1	0934	JONPOL EAST "A" & "B"	1002	FOURNIER BROOK B
0867	ROBERTVILLE 2	0935	MCCORMACK BROOK NORTH "A" & "B"	1003	FOURNIER BROOK C
0868	ROBERTVILLE 3	0936	JERRY FERGUSON BROOK	1004	ELMTREE 1B
0869	ROBERTVILLE 4	0937	INDIAN LAKE	1005	ELMTREE 1D
0870	ROBERTVILLE 5	0938	SEVOGLE STRIP SILVER	1006	ELMTREE 10
0871	ROBERTVILLE 6	0939	LITTLE SEVOGLE RIVER 4	1007	MIRO MINES A
0872	ROBERTVILLE 7	0940	SHELLALAH HILL	1008	MIRO MINES B
0873	PUG HOLE BROOK-WEST	0941	MILLSTREAM HENRY FAR EAST	1009	MADRAN NORTH
0874	FORESTON	0942	MILLSTREAM HENRY EAST	1010	BALDWIN CU A
0875	POKIOK BROOK NORTH	0943	RICEVILLE	1011	NICHOLAS DENYS 8B
0876	SPRUCE MOUNTAIN	0944	NASH CREEK BARITE - 2	1012	NICHOLAS DENYS 8D
0877	ROCKY BROOK GOLD A	0945	ROCKY BROOK 4	1013	BERESFORD COPPER SOUTH
0878	SHINGLE GULCH EAST	0946	LAKE BROOK CU	1014	ELLIS BROOK SOUTHWEST
0879	RIVER DEE	0947	LAVIGNE BROOK WEST	1015	PATAPAT BROOK SOUTH B
0880	GOOSE CREEK "I"	0948	BELLEDUNE RIVER	1016	PATAPAT BROOK SOUTH C
0881	STEWART PEAKS SOUTH	0949	TIBLEMONT	1017	PATAPAT BROOK SOUTH D
0882	MACKEREL COVE "I"	0950	ELMTREE NI-ZN	1018	NIGADOO LAKE NORTH B
0883	EVERETT BROOK	0951	ELMTREE 12	1019	ANTINOURI LAKE ROAD
0884	BLACK MOUNTAINS B	0952	STE. ROSETTE	1020	PATAPAT GOLD
0885	BLACK MOUNTAINS A	0953	TWO MILE BROOK	1021	ANTINOURI LAKE WEST B
0886	RILEY LAKE	0954	JACQUET RIVER L	1022	NICHOLAS DENYS 9
0887	LOUISON CREEK	0955	JACQUET RIVER M	1023	MILLSTREAM FE C

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1024	MILLSTREAM FE D	1092	BENJAMIN RIVER C	1160	STEWART BASE METAL 2
1025	MILLSTREAM FE E	1093	BENJAMIN RIVER D	1161	SOUTHWEST MIRAMICHI WEST
1026	MELANSON BROOK E	1094	BIG HOLE BROOK A	1162	SISTERS MOUNTAIN B
1027	NIGADOO 3	1095	MCLEAN GULCH MN	1163	SISTERS MOUNTAIN C
1028	NIGADOO 8	1096	BENJAMIN RIVER NORTH	1164	SISTERS MOUNTAIN D
1029	BRADLEY BROOK B	1097	HAYES GULCH NORTH	1165	SISTERS MOUNTAIN E
1030	MILLSTREAM ASBESTOS	1098	LOWER MCNAIR BROOK NORTH	1166	HARRIS LAKE B
1031	BRADLEY BROOK E	1099	CHARLO RIVER	1167	HARRIS LAKE C
1032	SPARTON MILLSTREAM C	1100	BALMORAL GOSSAN	1168	HARRIS LAKE D
1033	SPARTON MILLSTREAM D	1101	POPELOGAN EAST	1169	HEAD OF LITTLE DUNGARVON B
1034	DAVIES NO. 42	1102	POPELOGAN (SOUTH ZONE)	1170	HEAD OF LITTLE DUNGARVON C
1035	NICHOLAS DENYS 10	1103	WODENS BROOK WEST	1171	ROCKY BROOK SOUTH B
1036	PAYNE BROOK	1104	CHRISTOPHER	1172	ROCKY BROOK SOUTH C
1037	NICHOLAS DENYS 8E	1105	PATAPEDIA CENTRAL	1173	ROCKY BROOK SOUTH D
1038	MACKENZIE NO. 34	1106	BLAIR ATHOL	1174	GILMAN BROOK FLUORITE B
1039	SPARTON MILLSTREAM E	1107	WOODSIDE BROOK A	1175	FOUR MILE LAKE B
1040	SULLICO Q-8	1108	RITCHIE BROOK	1176	FOUR MILE LAKE C
1041	CULLINAN	1109	NORTHWEST UPSALQUITCH	1177	FOUR MILE LAKE D
1042	MANGANESE A	1110	WODENS ROCK BROOK SOUTH	1178	TROUT LAKE PLUTON SE A
1043	MANGANESE B	1111	BENJAMIN RIVER SOUTH D	1179	TROUT BROOK LOWER B
1044	MANGANESE C	1112	MULLIGAN GULCH PB	1180	TROUT BROOK LOWER C
1045	HIGHWAY MANGANESE	1113	HUMPBACK SHOWING	1181	TROUT BROOK - LOWER D
1046	ANTINOURI LAKE SOUTH B	1114	HILLTOP ZONE	1182	TROUT BROOK LOWER E
1047	MADRAN SOUTH	1115	LEVESQUE GULCH	1183	DEADMAN BROOK GREISEN B
1048	CULLINAN NW	1116	REIDS GULCH NI (FLOAT)	1184	FULLERTON BROOK MOLY B
1049	LORNE BARITE	1117	EIGHTEEN MILE BROOK	1185	FULLERTON BROOK MOLY C
1050	STEPHENS BROOK WEST	1118	RESTIGOUCHE C-5	1186	FALL BROOK B
1051	NARM COPPER	1119	EAST OXFORD BROOK (FLOAT)	1187	YOUNGS DAM B
1052	LAVIGNE BROOK ARSENIC	1120	MURRAY BROOK B	1188	YOUNGS DAM SKARN B
1053	BALDWIN CU B	1121	MURRAY BROOK C	1189	YOUNGS DAM SKARN C
1054	MILLSTREAM EAST A	1122	WOODSIDE BROOK B	1190	YOUNGS DAM SKARN D
1055	MILLSTREAM EAST B	1123	ROCKY GULCH	1191	DUNGARVON VEIN 3
1056	DALHOUSIE ROAD NE (A & B)	1124	MURRAY BROOK D	1192	HARRIS BROOK B
1057	MILLSTREAM MALACHITE	1125	MURRAY BROOK E	1193	TROUT BROOK GRANITE B
1058	MILLSTREAM ARSENIC	1126	TURGEON SOUTH	1194	TROUT BROOK GRANITE C
1059	GLOUCESTER AS-CU	1127	UPPER NIGADOO RIVER	1195	TROUT BROOK GRANITE D
1060	GLOUCESTER AS	1128	JACQUET RIVER EAST	1196	DEVIL PIKE BROOK
1061	GLAZIER LEAD	1129	ANTINOURI LAKE NORTHWEST	1197	EEL RIVER
1062	MURRAY LAKE AU- A & B	1130	PATAPAT SOUTH E	1198	ST. STEPHEN NI- F ZONE
1063	NICHOLAS DENYS 12	1131	HALEY CORNER	1199	ST. STEPHEN NI- G ZONE "I"
1064	ELMTREE 15	1132	MOOSE BROOK A	1200	ST. STEPHEN NI- E ZONE
1065	SMART FARM	1133	FRENCH VILLAGE CU	1201	ST. STEPHEN NI- D ZONE
1066	MONTEITH FARM	1134	COOK SAVOIE GULCH A	1202	ST. STEPHEN NI- H-C EXT. "I"
1067	SOUTHEAST CONNELL MOUNTAIN	1135	MCCORMAC EAST	1203	ST. STEPHEN NI- B ZONE
1068	LILLY BROOK COPPER	1136	JACQUET RIVER GOLD SOUTH	1204	ST. STEPHEN NI- A ZONE
1069	INTERCHANGE COPPER	1137	BECKETVILLE	1205	ST. STEPHEN NI- K ZONE
1070	DUGAN ROAD WEST	1138	BEAR CREEK SOUTH B	1206	ST. STEPHEN NI- N ZONE
1071	BULLS CREEK 1	1139	RAMSAY-PITRE	1207	ST. STEPHEN NI- V ZONE
1072	BULLS CREEK 2	1140	NAPADOGAN RMS	1208	ST. STEPHEN NI- M ZONE
1073	KILMARNOCK SETTLEMENT	1141	WHITE BIRCH BROOK	1209	GOOSE POINT "I"
1074	UPPER NORTHAMPTON BARITE	1142	MCLEOD SIDING	1210	JIM BROOK
1075	FRAZER & BRIGGS	1143	BIG HOLE BROOK- ANOMALY C	1211	AZORS BEACH "I"
1076	WETMORE COPPER	1144	LORNE PB-ZN	1212	GOOSE RIVER ESTUARY
1077	PEABODY FARM	1145	ANOMALY 54N	1213	WATERFORD LIMESTONE "I"
1078	BENJAMIN RIVER SOUTH B	1146	ANOMALY 144N	1214	GRANDROY NORTH "I"
1079	TETAGOUCHE COPPER	1147	ANOMALY 60N	1215	HARDWOOD ISLAND "I"
1080	ROBERTVILLE 8	1148	ANOMALY 105N	1216	SHEBA EAST "I"
1081	PETERS RIVER EAST	1149	ANOMALY 118N	1217	UPHAM BA-F NO. 1
1082	PAYNE BROOK EAST	1150	LOWER HAYDEN BROOK SOUTH	1218	SORMANY ARSENIC
1083	COOK SAVOIE GULCH B	1151	ANOMALY 102	1219	NARROWS BROOK
1084	NIGADOO 16	1152	LOWER HAYDEN BROOK B	1220	ALMSHOUSE BROOK "I"
1085	ELMTREE 16	1153	LOWER HAYDEN BROOK C	1221	BARNES ISLAND "I"
1086	ST. MICHEL EAST	1154	STEWART BASE METAL 1	1222	HATCH BROOK "I"
1087	DISCOVERY ZONE EAST 3	1155	BLACK HILL	1223	UPHAM BA-F NO 2 "I"
1088	LAVIGNE BROOK EAST	1156	CALHOUN FLUORITE "I"	1224	GRANT FARM
1089	NASH CREEK- MCMILLAN ZONE	1157	HARTLAND	1225	MILLTOWN RESERVOIR "I"
1090	NASH CREEK - HAYES ZONE	1158	VENNING MOUNTAIN	1226	MOFFITT SHOWING
1091	NASH CREEK - BARITE 1	1159	ORCHAN	1227	SQUIRE BARTER "I"

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1228	ST. CROIX RIVER NORTH "I"	1295	CRORY FARM WEST	1362	ROCKPORT SHORE
1229	THOMPSON-KOCH PROSPECT "I"	1296	BEAVER HARBOUR NORTH	1363	INNER HEAD
1230	GETCHELL FARM "I"	1297	FISH ISLAND	1364	MIDWAY SOUTH
1231	TEAL FARM "I"	1298	PETIT CAP	1365	SHEDIAC RIVER # 2 "I"
1232	MURCHIE FARM "I"	1299	COLLINS LAKE	1366	SHEDIAC RIVER # 3
1233	GUYSBOROUGH GOLD "I"	1300	GASPEREAU RIVER	1367	SCUDOU RIVER QUARRY
1234	ST. STEPHEN NI-H ZONE	1301	FIVE CORNERS	1368	BLACK POINT NORTH
1235	ST. STEPHEN NI-P ZONE "I"	1302	CHRIS WREN LAKE NORTH	1369	DEMOISELLE CREEK
1236	ST. STEPHEN NI-O ZONE "I"	1303	CHRIS WREN LAKE SOUTH	1370	GRANDE ANSE
1237	WOODWARD FARM "I"	1304	JOHNSON LAKE	1371	JOHNSON MILLS
1238	IRVING	1305	ST. STEPHEN NI-C EAST ZONE "I"	1372	DORCHESTER CAPE NORTH
1239	HARBOUR DE LUTE "I"	1306	DENNIS STREAM - UPPER "I"	1373	LOWER CAPE
1240	FRIARS BAY "I"	1307	BILLY WESTON "I"	1374	MOORES MILLS # 2
1241	ROCKPORT "I"	1308	ST. STEPHEN NI - Q ZONE "I"	1375	STRATMAT NORTH
1242	DALEY BROOK "I"	1309	ST. STEPHEN NI - L ZONE "I"	1376	STRATMAT N-6
1243	BURCHILL ROAD	1310	ST. STEPHEN NI - I ZONE "I"	1377	STRATMAT N-3
1244	SPIG BROOK	1311	MOORE FARM "I"	1378	MOWAT H2 ZONE
1245	BOOBEY BROOK "I"	1312	LEDGE ROAD "I"	1379	HEATH STEELE H4 ZONE
1246	JACKNIFE	1313	CALIFORNIA LAKE-MURRAY BROOK	1380	HEATH STEELE WEST GRID ZONE
1247	KAKALDUCAS	1314	PABINEAU LAKE SOUTHEAST	1381	LOGANS MOUNTAIN- SOUTH
1248	BRUNSWICK EXTENSION	1315	PORTAGE LAKE (SMITH 2)	1382	SCOTCH MOUNTAIN
1249	JEANNE MANCE	1316	SANDBURN BROOK	1383	CAMEL BACK MOUNTAIN
1250	LAWSON BROOK 2	1317	PRINGLE BROOK	1384	KEY ANACON EAST
1251	KEY ANACON-COPPER ZONE	1318	PEABODY BROOK	1385	SMITHTOWN
1252	GORDON MEADOW BROOK EAST	1319	CLARKS BROOK	1386	HEATH STEELE F ZONE
1253	NORTHWEST COPPER ZONE	1320	MOOSE BROOK B	1387	CAPE SPENCER BIRCHES ZONE
1254	BASS RIVER CU-NI	1321	AIRFIELD COPPER	1388	CAPE SPENCER BOG ZONE
1255	JANEVILLE IRON	1322	DEEP GULCH COVE	1389	CAPE SPENCER POND ZONE
1256	FAB WEST ZONE	1323	MASCARENE GOLD	1390	CAPE SPENCER LAKE ZONE
1257	LOUVICOURT EAST	1324	HALLS HILL	1391	CAPE SPENCER NE ZONE
1258	TAYLOR BROOK ROAD SOUTH	1325	JOE BROOK	1392	HEATH STEELE B5 ZONE
1259	MCDONOUGH MMM	1326	BREAU CREEK NORTH	1393	WILDCAT ROAD
1260	NO. 6 SOUTHWEST	1327	BREAU CREEK WEST "I"	1394	GILMOUR SOUTH
1261	NEPISIGUIT RIVER	1328	BREAU CREEK EAST	1395	ISLAND LAKE SOUTHEAST
1262	PORTAGE RIVER SOUTH	1329	PECKS POINT SOUTH	1396	LITTLE JOHN LAKE
1263	NORTH END ZONE	1330	PECKS POINT	1397	NEREPIS SOUTH
1264	LITTLE SOUTH BRANCH PABINEAU R	1331	HARVEY CREEK "I"	1398	RAILROAD GROUP SOUTH
1265	GRANDROY	1332	GREEN CREEK SOUTH	1399	LOWER CAVERHILL NORTH
1266	TOMOGONOPS RIVER	1333	BLACK POINT	1400	TOWER HILL CU
1267	MOOSEHEAD	1334	GREEN CREEK NORTH	1401	TOWER HILL NORTHWEST
1268	FOUR MILE BROOK AU	1335	MECHANIC SETTLEMENT 2	1402	CARLISLE ROAD
1269	INLET BROOK	1336	MECHANIC SETTLEMENT 3	1403	ARLEAU BROOK
1270	PORTAGE BROOK EAST	1337	NORTH FRENCH VILLAGE	1404	BENTON ROAD
1271	NEPISIGUIT BROOK SOUTH IRON	1338	QUISPAMIS EXIT	1405	EAST BRANCH BROOK
1272	PABINEAU RIVER NORTH MANGANESE	1339	MALACHITE	1406	CLARINDA
1273	CHEAVER LAKE	1340	MOUNT MITCHELL MO	1407	NEREPIS-WEST LAKE SKARN
1274	LONG LAKE SOUTH URANIUM	1341	MARIE PLATEAU MAGNETITE	1408	RED PINE BROOK
1275	NORTH BRANCH SOUTH SEVOGLE	1342	KAGOOT BROOK	1409	DICK ISLAND NORTH
1276	CHESTER SOUTHWEST	1343	TRAIL RIDGE	1410	ROCHE LONG LAC NORTH
1277	LITTLE RIVER	1344	DIGDEGUASH CU	1411	WEST BEACH A-B ZONES
1278	KENNY LAKE	1345	CANAL POINT PB	1412	SOUTH HAMILTON ROAD
1279	CRABBE MOUNTAIN	1346	SHERARD BEACH	1413	WATERVILLE PROSPECT "I"
1280	SW OF LAKE GEORGE "I"	1347	BASALTIC ISLAND WEST	1414	GORHAMS BLUFF
1281	MANZER BROOK	1348	HAWKINS LAKE	1415	KARS
1282	COULEE SOUTHWEST IRON	1349	CARPENTER BROOK EAST	1416	LEWIS BROOK
1283	ESKER	1350	CARPENTER BROOK WEST		
1284	MOWAT SOUTH	1351	LONDON SETTLEMENT EAST		
1285	TV TOWER EAST #1	1352	LETANG WHARF "I"		
1286	TV TOWER EAST#2	1353	FRYE ISLAND NORTH		
1287	TV TOWER EAST #3	1354	MAGUNDY HILL		
1288	FOURTY-FOUR MILE BROOK #4	1355	POPLAR MOUNTAIN		
1289	INDIAN LAKE CU	1356	WEBSTER BROOK		
1290	LOVE LAKE BROOK	1357	URQUHARTS BROOK		
1291	LETANG HARBOUR NORTH	1358	HAMILTON BROOK		
1292	LETANG HARBOUR SOUTH	1359	ALBRIGHT BROOK		
1293	BOAT ROCK NORTH	1360	CAPE MARINGOUIN # 1		
1294	SCOTCH BAY	1361	CAPE MARINGOUIN # 2		

NOTES

**DIRECTORY OF GOODS AND SERVICES FOR
THE EXPLORATION INDUSTRY IN NEW BRUNSWICK
(January, 2000)**

Compiled by

Carol M. McNeill-Dobbelsteyn and
Barbara M.W. Carroll

The Minerals and Energy Division of the New Brunswick Department of Natural Resources and Energy has compiled the following list of companies and individuals located in New Brunswick. The goods and services that may be of interest to the mineral exploration industry are listed below each entry. The first section is an alphabetical listing by company/individual name, while the second section is a general index of services.

For further information, or to make additions or suggestions for the next edition of our Directory, please contact:

Faith Storey
Department of Natural Resources and Energy
Mines Branch, Mineral Information Services
P.O. Box 6000
Fredericton, New Brunswick
Canada E3B 5H1

Phone (506) 453-3837
Fax (506) 453-3671
e-mail: geoscience@gnb.ca

When preparing information for inclusion in our directory, please include the following categories, as appropriate:

Name of Firm/Individual: _____

Address: _____

Phone/Fax/E-mail: _____

Person(s) to Contact and Their Title(s): _____

Service(s) or Product Line(s) Offered: _____

This Directory has been prepared for convenience purposes only. The listing of companies and individuals should not be assumed to be complete, nor does the Department endorse any one of the listed companies or individuals in preference to any other.

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(novembre 1999)**

Établi par

Carol M. McNeill-Dobbelsteyn et
Barbara M.W. Carroll

La Division des ressources minières et de l'énergie du ministère des Ressources naturelles et de l'Énergie du Nouveau-Brunswick a dressé la liste ci-après d'entreprises et de particuliers établis au Nouveau-Brunswick. Les produits et les services qui pourraient intéresser l'industrie de l'exploration minérale sont cités au-dessous de chaque fournisseur inscrit. La première section est une liste alphabétique établie à partir des noms des particuliers ou des entreprises, tandis que la deuxième section constitue un index général des services offerts.

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